EPSDT, Well Child Care and Children’s Development

Edward L. Schor, MD
ABCD Screening Academy
July 11-13, 2007
Houston, Texas
“Our goal must be clear – to give every child the chance to fulfill his promise.”
Lyndon B. Johnson
At Least One in Three Children in Medicaid at Risk for Developmental, Behavioral or Social Delays

Based on Parental Evaluation of Developmental Status (PEDS):

- **Low Risk**: 23%
- **High or Moderate Risk**: 36%
- **Not Currently At Risk**: 41%

2004 CAHMI PHDS-PLUS Data, OHIO Medicaid Beneficiaries, Weighted Data
Children 0-5 Whose Parents Reported One or More Concerns About Learning, Development or Behavior

National Survey of Child Health, 2005
Parents in the Middle
Process of Pediatric Care

Pediatric Care

Parenting Behaviors

Child Outcomes
Children with Developmental Problems in Poorer Health

Health of Children (%)
- Poor
- Fair
- Good
- Very Good
- Excellent

Final Report of the National Early Intervention Longitudinal Study, January 2007
Children Ready for School

• Health and physical development
• Emotional well-being and social competence
• Curiosity and enthusiasm about learning
• Communication skills
• Cognition and general knowledge
“Medical care is the universal starting gate for all children, rich and poor.”

-- Margaret Mahoney

<table>
<thead>
<tr>
<th>Service</th>
<th>2018 Percent</th>
<th>2017 Percent</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preventive Health Care Visit (0-5)</td>
<td>89%</td>
<td></td>
<td>Preventive Health Visit: National Survey of Children's Health</td>
</tr>
<tr>
<td>WIC Services (0-5)</td>
<td>24%</td>
<td></td>
<td>WIC - FDA, Food and Nutrition Services, Office of Analysis, Nutrition, and Evaluation</td>
</tr>
<tr>
<td>Center-based Care (0-4)</td>
<td>35%</td>
<td></td>
<td>Formal Child Care: Census Bureau Special Report: Who’s Minding the Kids? [Center-based= organized facility or day care]</td>
</tr>
<tr>
<td>Preschool/Nursery school (3-5)</td>
<td>6%</td>
<td></td>
<td>Head Start: National Head Start Association, Program Fact Sheets</td>
</tr>
<tr>
<td>Head Start/Early Head Start (0-5)</td>
<td>4%</td>
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</tbody>
</table>
Well Child Care

Referral & Care Coordination

Anticipatory Guidance and Parent Education

Medical History

Developmental and Behavioral Assessment

Physical Exam

Family Psychosocial Assessment

Procedures

Sensory Screening

Immunizations

Measurements

Developmental Services
Desired Outcomes at School Entry

Physical health and development

• No undetected hearing or vision problem
• No chronic health problems without a treatment plan
• Immunizations complete for age
• No undetected congenital anomalies

Emotional, social and cognitive development

• No unrecognized or untreated delays

Family’s capacity and functioning

• Parents knowledgeable about child’s physical health status and needs
• No unrecognized maternal depression, family violence, or family substance use
• No undetected early warning signs of child abuse or neglect
### Where Benefits Meet Needs

<table>
<thead>
<tr>
<th>EPSDT Benefit</th>
<th>Outcomes at Age 5</th>
</tr>
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<tbody>
<tr>
<td>Periodic and as needed screening services</td>
<td>No undetected developmental delays</td>
</tr>
<tr>
<td>Vision care</td>
<td>No undetected or uncorrected vision problems</td>
</tr>
<tr>
<td>All medically necessary diagnosis and treatment to ameliorate conditions</td>
<td>No chronic problem without a management plan</td>
</tr>
<tr>
<td>A preventive standard of medical necessity</td>
<td>Parents able to anticipate and meet children’s developmental needs</td>
</tr>
<tr>
<td>Linkages to other agencies</td>
<td>No untreated developmental problems</td>
</tr>
</tbody>
</table>
Developmental Services in Primary Care

• Educate parents
• Assess families and children for risks and diagnose problems
• Intervene with children and parents
• Coordinate care, refer and follow-up
Much Room to Improve the Quality of Preventive and Developmental Services for Children 0-5 Yrs.

<table>
<thead>
<tr>
<th>Percent Pediatricians Using</th>
<th>Percent Children Receiving</th>
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<tbody>
<tr>
<td>Structured Screening</td>
<td>23%</td>
</tr>
<tr>
<td>Anticipatory Guidance &amp; Parent Education</td>
<td>47%</td>
</tr>
<tr>
<td>Psychosocial Assessment</td>
<td>14%</td>
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<tr>
<td>Family-Centered Care</td>
<td>60%</td>
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<tr>
<td>Care Coordination</td>
<td>66%</td>
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</tbody>
</table>

Sources:
At-Risk Children Less Likely to Receive Preventive and Developmental Services

- **Child at risk**
  - Basic Care: 17%
  - Parent Education: 39%
  - Family Centered Care: 63%

- **Child NOT at risk**
  - Basic Care: 29%
  - Parent Education: 54%
  - Family Centered Care: 75%

Bethel, PHDS 2004
Overestimating Preventive Services Rates in Practice

- Immunizations: 87% Actual, 68% Expected
- Anemia: 80% Actual, 64% Expected
- TB: 77% Actual, 41% Expected
- Lead: 80% Actual, 38% Expected

Randolph et al, Pediatrics 115:1704-1711, 2005
Percentage of Infants and Toddlers Receiving Early Intervention Services in States

<table>
<thead>
<tr>
<th>State</th>
<th>All Children</th>
<th>Excluding Children At Risk</th>
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</thead>
<tbody>
<tr>
<td>NV</td>
<td>0.94%</td>
<td>0.94%</td>
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<tr>
<td>MEAN</td>
<td>2.23%</td>
<td>2.18%</td>
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<tr>
<td>HI</td>
<td>7.7%</td>
<td>5.75%</td>
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</table>

U.S. Department of Education, Office of Special Education Programs, 12/1/2003
Ages of Children with Developmental Delays for Events Related to Early Intervention Services

<table>
<thead>
<tr>
<th>1st Concern</th>
<th>Diagnosis or Identification</th>
<th>EI Referral</th>
<th>IFSP</th>
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<tbody>
<tr>
<td>11</td>
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Child’s Age (months)

Final Report of the National Early Intervention Longitudinal Study, January 2007
Well Child Care Prevents Hospitalizations of Children 1-24 mos.

<table>
<thead>
<tr>
<th>Avoidable hospitalizations per 1000 Medicaid children</th>
<th>California</th>
<th>Georgia</th>
<th>Michigan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Children with recent preventive care visit, but not up-to-date</td>
<td>61</td>
<td>144.8</td>
<td>103.5</td>
</tr>
<tr>
<td>Reduction = 13%</td>
<td>Reduction = 10%</td>
<td>Reduction = 14%</td>
<td></td>
</tr>
<tr>
<td>Children up-to-date preventive care</td>
<td>36.5</td>
<td>86.9</td>
<td>89.0</td>
</tr>
<tr>
<td>Reduction = 50%</td>
<td>Reduction = 46%</td>
<td>Reduction = 26%</td>
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Parents with Concerns about Their Children’s Development Found Medical Professionals Helpful

- **64%** Very Helpful
- **22%** Somewhat Helpful
- **12%** Not Helpful
- **2%** Mixed Experience

Well Child Care Affects Mother-Infant Relationships

Casey & Whitt, 1980
Changing Parenting Behaviors

• Healthy Steps outcomes
  – Less maternal depression, continued breastfeeding, more reading, more knowledge of infant development and recognition of appropriate discipline (PrePare)
  – Interact with toddlers in a more positive manner, showing higher level of awareness and understanding of the child’s needs and level of maturity
  – Avoided harsh disciplinary tactics, such as yelling, threatening, slapping, or spanking
Learning Collaboratives Change Screening Practice

Pre | Post
--- | ---
29% | 75%
62% | 100%

AAP Bright Futures | Healthy Development