Treating the Whole Child: Integration of Home Visiting and Pediatric Medical Homes
Sally Baggett
Director of Parent and Family Support
Carolina Health Centers, Inc.
Home visitation as a component of primary care
Care coordination as a component of primary care
Behavioral health as a component of primary care
Home Visitation Programs at TCC

Nurse-Family Partnership
Helping First-Time Parents Succeed

Healthy Families America

Healthy Steps for Young Children®

Carolina Health Centers Inc.
HV Triage at The Children’s Center

First Time Families

- Parental Assessment of Risks
  - Yes
  - Low income prior to 28 weeks
    - Yes
    - Nurse-Family Partnership
    - No
    - Special circumstances
      - Yes
      - Healthy Families
      - No

All Families with a Newborn

- Birth Assessment of Risks
  - Yes
  - Tier 1 Risks
    - Yes
    - Healthy Steps for Young Children
    - No
    - Tier 2 Risks
      - Yes
      - Edgefield, Saluda, McCormick, Laurens Co.
      - No
      - Reach Out and Read
        - Yes
        - Greenwood or Abbeville County Resident

Chart provided by Carolina Health Centers, Inc.
<table>
<thead>
<tr>
<th>Measure</th>
<th>MIECHV</th>
<th>HEDIS</th>
<th>CHIPRA</th>
<th>NCOA-PCM H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depression Screening</td>
<td>✗</td>
<td></td>
<td>✗</td>
<td></td>
</tr>
<tr>
<td>Connection to community resources</td>
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<td></td>
<td>✗</td>
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<tr>
<td>BMI assessment</td>
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<td>✗</td>
<td>✗</td>
<td></td>
</tr>
<tr>
<td>Culturally/linguistically appropriate care</td>
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<tr>
<td>Lead screening</td>
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<td>✗</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Birth weight &lt; 2500 grams</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Timeliness and frequency of prenatal care</td>
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<td></td>
<td>✗</td>
</tr>
<tr>
<td>Postpartum care</td>
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<td></td>
<td>✗</td>
</tr>
<tr>
<td>Immunization Status</td>
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<td>✗</td>
<td>✗</td>
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<tr>
<td>ED Utilization</td>
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<td></td>
<td>✗</td>
</tr>
<tr>
<td>Access to Primary Care</td>
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<td></td>
<td>✗</td>
</tr>
<tr>
<td>Behavioral/Mental Health</td>
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<td>✗</td>
<td></td>
<td>✗</td>
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<tr>
<td>Developmental Screening</td>
<td></td>
<td></td>
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<td>✗</td>
</tr>
<tr>
<td>Well child visits in first 15 months</td>
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<td>✗</td>
<td></td>
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</tbody>
</table>
Preventive Oral Health

Healthy Birth Outcomes

Reduction of Maternal Depression

School Readiness

Social Emotional Health
Sustainability

TCC current strategies:
- PCMH incentives
- Substitution linked to productivity
- Pay for performance incentives
- Enhanced grant opportunities
- Managed care pilot potential

National conversations:
- Social Impact Bonds
- CMS Waiver Process
- Payment reform inclusive of hv as team based care
- Enabling services status within FQHC
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Colleen Kraft
Medical Director
Health Network by Cincinnati Children’s Hospital Medical Center
Medical Home: Pediatric “Extensive” Care

Child and Family

Shared In-basket with EHR

Health Concierge; Screening, risk id

Medical or social needs, refer to CHIP

CYSHCN, refer to CCC, Special Families

Anticipatory Guidance reinforced in-home

Oral Health Ed, Fluoride, dev scr
# Health Concierge: Social History Screening

<table>
<thead>
<tr>
<th>Social/Environmental (Questions to ask family during visit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Child lives with</td>
</tr>
<tr>
<td>* Are you having problems receiving WIC food stamp, daycare vouchers, medical card, or SSI?</td>
</tr>
<tr>
<td>* Housing problems (overcrowding, roaches, rodents, utilities, mold, lead)?</td>
</tr>
<tr>
<td>* Threatened with eviction or losing your home?</td>
</tr>
<tr>
<td>* Over the past 2 weeks, have you felt down, depressed or hopeless?</td>
</tr>
<tr>
<td>* Over the past 2 weeks, have you felt little interest or pleasure in doing things?</td>
</tr>
<tr>
<td>* Do you feel that you and/or your children are unsafe in your relationships?</td>
</tr>
<tr>
<td>* Would you like to speak with a social worker or legal advocate in the clinic about these issues?</td>
</tr>
</tbody>
</table>

## Benefits
- Yes
- No

## Housing
- Yes
- No

## Depression
- Yes
- No

## Domestic Violence
- Yes
- No

## All others
- Yes
- No
Care Management Design

• Home Visiting Contract
  – Paid per member/per month

• “High Touch”, in-person, in-home

• Data Collected in home
  – HEDIS metrics
  – Health Outcomes
  – Reduced costs
Home Visiting Intervention Pilot

**Pregnant Women: Average Claims per Member per Month**
- PnP/CHIP Intervention Group: Total = $432.26
  - Pharmacy: $131.13
  - Office: $175.78
  - ER: $125.87
- Control Group: Total = $413.24
  - Pharmacy: $131.13
  - Office: $175.78
  - ER: $125.87

**Babies: Average Claims per Member per Month for first year (birth to 12 months)**
- PnP/CHIP Intervention Group: Total = $538.84
  - Home & Other: $59.09
  - Pharmacy: $144.51
  - Office: $238.63
  - ER: $408.43
- Control Group: Total = $92.91

**Pregnant Women: Inpatient Days per 1,000**
- PnP/CHIP Intervention Group: 4,302
- Control Group: 4,477

**Babies: Inpatient Days per 1,000**
- PnP/CHIP Intervention Group: Total = 4,382
  - Other Inpatient Days: 1,296
  - NICU Days: 3,086
- Control Group: Total = 6,417
  - Other Inpatient Days: 1,391
  - NICU Days: 5,026
Results

100% families receive early childhood education
90% 2yr olds UTD on well visits and immunizations
100% children are screened for lead, Hgb, development

97% children have a Dental Home
66% of children have had a dental visit by age 3
97% have had an oral health assessment and fluoride varnish

145 children in program 2011-2012
84% well controlled
84% minimal inhaler use
90% decrease in ED visits
82% decrease in school absence due to asthma
Key Policy Considerations

- The Maternal, Infant and Early Childhood Home Visiting Program (MIECHV) should be reauthorized to provide a strong base of funding for innovative approaches;

- Integration requires flexible funding that can be braided with other federal, state, and private funding streams, including Medicaid;

- Funding sources should be aligned to incentivize collaboration and integration of services;

- This innovative model is new and evolving and is breaking down traditional silos between health, early learning and social services. We want to be a resource as we further develop these models of care.
Contact Information

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