Navigating the Sea of AIM

A SERIES PRESENTED BY THE ADHS BNPA RESEARCH AND DEVELOPMENT TEAM
Relationships between Mothers’ Initial Enrollment and WIC Indicators for Mother and Child

July 12, 2012
Arizona WIC iLinc

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Is there a difference for mother and child when mom enrolls earlier in pregnancy?

- A look at infants born in 2010 and their mothers
  - Total of 49,346 pairs

- Analysis does not include:
  - Mothers whose infants never came to WIC
  - Infants/children whose mothers were never on WIC
When did mothers of infants born in 2010 enroll in WIC?

- 31% in 1st Trimester
- 29% in 2nd Trimester
- 22% in 3rd Trimester
- 18% PostPartum
Areas examined

- Is there a relationship with:
  - Mother’s weight gain during pregnancy?
  - Infant’s birth weight?
  - Infant’s age at first certification?
  - Infant’s breastfeeding status?
  - Infant’s recertification as a C1?
  - Family’s income level?
Mother’s weight gain during pregnancy by timing of mother’s first enrollment (WIC Infants born in 2010)
Full term infant’s birth weight by timing of mother’s first enrollment
(WIC Infants born in 2010)
Infant’s age at first certification by timing of mother’s first enrollment
(WIC Infants born in 2010)
Infant’s first category by timing of mother’s first enrollment
(WIC Infants born in 2010)
Infant retention by timing of mother’s first enrollment
(WIC Infants born in 2010)

<table>
<thead>
<tr>
<th></th>
<th>1st Trimester</th>
<th>2nd Trimester</th>
<th>3rd Trimester</th>
<th>Postpartum</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 mos or older</td>
<td>63.0%</td>
<td>54.4%</td>
<td>43.6%</td>
<td>39.2%</td>
<td>51.7%</td>
</tr>
<tr>
<td>12 - 13 mos</td>
<td>9.8%</td>
<td>12.9%</td>
<td>16.7%</td>
<td>28.5%</td>
<td>16.1%</td>
</tr>
<tr>
<td>1 - 12 mos</td>
<td>10.5%</td>
<td>14.4%</td>
<td>22.5%</td>
<td>18.1%</td>
<td>15.5%</td>
</tr>
<tr>
<td>1 mos or younger</td>
<td>16.7%</td>
<td>18.3%</td>
<td>17.2%</td>
<td>14.2%</td>
<td>16.7%</td>
</tr>
</tbody>
</table>
Timing of mother’s first enrollment and family income level (WIC Infants born in 2010)

<table>
<thead>
<tr>
<th>Trimester</th>
<th>101 - 185% FPL</th>
<th>51 - 100% FPL</th>
<th>&lt; 50% FPL</th>
<th>&lt; 50% FPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st Trimester</td>
<td>29.6</td>
<td>33.6</td>
<td>29.2</td>
<td></td>
</tr>
<tr>
<td>2nd Trimester</td>
<td>30.5</td>
<td>33.1</td>
<td>32.6</td>
<td></td>
</tr>
<tr>
<td>3rd Trimester</td>
<td>18.3</td>
<td>17.2</td>
<td>18.9</td>
<td></td>
</tr>
<tr>
<td>Postpartum</td>
<td>21.5</td>
<td>16.1</td>
<td>19.3</td>
<td></td>
</tr>
</tbody>
</table>
Take-home message

- There are relationships between timing of mother’s enrollment in WIC and:
  - Age of initial infant certification
  - Infant retention to C1
  - Breastfeeding status of infants at first certification

- Are there other factors that could be having a strong influence on these relationships in the background?
Thank you!

Contact Information

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