The Impact of RIte Care on the Health of Pregnant Women and Their Newborns 1993 – 2004

Prenatal Care and Birth Outcomes Health Indicator Trends

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RI Medicaid Research and Evaluation Project
March 2006
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Characteristics of Mothers
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</thead>
<tbody>
<tr>
<td><strong>Total RI Resident Births</strong></td>
<td>13,565</td>
<td>13,078</td>
<td>12,422</td>
<td>12,300</td>
<td>12,076</td>
<td>12,201</td>
<td>11,958</td>
<td>12,065</td>
<td>12,200</td>
<td>12,441</td>
<td>12,690</td>
<td>12,309</td>
</tr>
<tr>
<td><strong>Medicaid Births</strong></td>
<td>4,598</td>
<td>4,305</td>
<td>3,510</td>
<td>3,971</td>
<td>3,619</td>
<td>3,618</td>
<td>3,554</td>
<td>4,271</td>
<td>4,533</td>
<td>4,543</td>
<td>4,700</td>
<td>5,478</td>
</tr>
<tr>
<td>% of Total Births</td>
<td>33.9</td>
<td>32.9</td>
<td>28.3</td>
<td>32.3</td>
<td>30.0</td>
<td>29.6</td>
<td>29.7</td>
<td>35.4</td>
<td>37.2</td>
<td>36.5</td>
<td>37.0</td>
<td>44.5</td>
</tr>
<tr>
<td><strong>Total Teen Births &lt; 20 yrs</strong></td>
<td>1,444</td>
<td>1,409</td>
<td>1,267</td>
<td>1,299</td>
<td>1,322</td>
<td>1,312</td>
<td>1,211</td>
<td>1,255</td>
<td>1,229</td>
<td>1,160</td>
<td>1,077</td>
<td>1,159</td>
</tr>
<tr>
<td>Medicaid Teen Births</td>
<td>1,065</td>
<td>987</td>
<td>721</td>
<td>790</td>
<td>718</td>
<td>683</td>
<td>839</td>
<td>870</td>
<td>803</td>
<td>781</td>
<td>932</td>
<td></td>
</tr>
<tr>
<td>% of Total Teen Births</td>
<td>73.7</td>
<td>70.1</td>
<td>56.9</td>
<td>60.8</td>
<td>54.3</td>
<td>54.3</td>
<td>56.4</td>
<td>66.8</td>
<td>70.8</td>
<td>69.2</td>
<td>72.5</td>
<td>80.4</td>
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<td><strong>Medicaid Births by Race</strong></td>
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<td></td>
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<tr>
<td>White</td>
<td>2,410</td>
<td>2,250</td>
<td>1,961</td>
<td>2,248</td>
<td>1,949</td>
<td>1,866</td>
<td>1,781</td>
<td>1,912</td>
<td>2,040</td>
<td>2,023</td>
<td>2,010</td>
<td>2,514</td>
</tr>
<tr>
<td>Black</td>
<td>698</td>
<td>629</td>
<td>403</td>
<td>491</td>
<td>396</td>
<td>438</td>
<td>420</td>
<td>609</td>
<td>648</td>
<td>626</td>
<td>681</td>
<td>718</td>
</tr>
<tr>
<td>Hispanic</td>
<td>1,168</td>
<td>1,134</td>
<td>882</td>
<td>994</td>
<td>1,050</td>
<td>1,083</td>
<td>1,099</td>
<td>1,479</td>
<td>1,560</td>
<td>1,565</td>
<td>1,698</td>
<td>1,864</td>
</tr>
<tr>
<td>Asian</td>
<td>322</td>
<td>262</td>
<td>215</td>
<td>237</td>
<td>223</td>
<td>230</td>
<td>248</td>
<td>268</td>
<td>285</td>
<td>328</td>
<td>310</td>
<td>382</td>
</tr>
</tbody>
</table>

* Insurance Coverage – self-reported by mother at delivery
Figure 1
Percent of Births to Immigrant Mothers by Insurance Coverage 1993-2004

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=149,305)

Figure 2
Race/Ethnicity Distribution of Pregnant Women on Medicaid

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=149,305)
Figure 3
Percent of Mothers Who are ≥ 35 Years Old
by Insurance Coverage 1993-2004

![Graph showing the percent of mothers over 35 years old by insurance coverage from 1993 to 2004. The graph includes data for private and Medicaid insurance.]

Data Source: Medicaid Research & Evaluation Project

Figure 3a
Percent of First Time Births to Mothers Who are ≥ 35 Years Old
by Insurance Coverage 1993-2004

![Graph showing the percent of first time births to mothers over 35 years old by insurance coverage from 1993 to 2004. The graph includes data for private and Medicaid insurance.]

Data Source: Medicaid Research & Evaluation Project
Prenatal Care
Figure 4
Percent of Women who Began Prenatal Care in First Trimester by Insurance Coverage 1993-2004

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=149,305)

Figure 5
Percent of Women who Received Adequate/Adequate+ Prenatal Care by Insurance Coverage 1993-2003

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=149,305)
Note: Adequacy of Care Index was recalculated so results are different from previous reports
Maternal Health
Figure 6
Percent of Pregnant Women who Smoke Cigarettes* by Insurance Coverage 1993-2004

Data Source: Medicaid Research & Evaluation Project

Figure 7
Percent of Women with Short Interbirth Interval (<18 months) by Insurance Coverage 1993-2004

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=149,305)
Figure 8
Percent Cesarean Births by Insurance Coverage
1993-2004

Birth Outcomes
Figure 9
Percent Low Birthweight
by Insurance Coverage 1993-2004

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=149,305)

Figure 10
Percent of Premature Births (<37 weeks)
by Insurance Coverage 1993-2004

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=149,305)
Figure 11
Percent of Multiple Births
by Insurance Coverage 1996-2004

Data Source: Medicaid Research & Evaluation Project

Figure 11a
Percent of Low Birthweight Births by Parity
1996 - 2004

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=149,305)
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<td>3,619</td>
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<td>4,271</td>
<td>4,533</td>
<td>4,543</td>
<td>4,700</td>
<td>5,478</td>
</tr>
<tr>
<td># VLBW (&lt;1500 grams)</td>
<td>63</td>
<td>57</td>
<td>37</td>
<td>47</td>
<td>50</td>
<td>58</td>
<td>53</td>
<td>71</td>
<td>73</td>
<td>81</td>
<td>81</td>
<td>87</td>
</tr>
<tr>
<td># MLBW (1500-2499 grams)</td>
<td>331</td>
<td>307</td>
<td>246</td>
<td>280</td>
<td>253</td>
<td>260</td>
<td>234</td>
<td>279</td>
<td>313</td>
<td>298</td>
<td>368</td>
<td>396</td>
</tr>
<tr>
<td># Preterm</td>
<td>318</td>
<td>319</td>
<td>210</td>
<td>290</td>
<td>224</td>
<td>255</td>
<td>268</td>
<td>397</td>
<td>463</td>
<td>445</td>
<td>447</td>
<td>576</td>
</tr>
<tr>
<td># Multiple birth *</td>
<td>92</td>
<td>92</td>
<td>76</td>
<td>115</td>
<td>85</td>
<td>117</td>
<td>84</td>
<td>97</td>
<td>143</td>
<td>112</td>
<td>113</td>
<td>183</td>
</tr>
<tr>
<td># Cesarean Births *</td>
<td>700</td>
<td>634</td>
<td>599</td>
<td>639</td>
<td>568</td>
<td>659</td>
<td>650</td>
<td>844</td>
<td>972</td>
<td>1,048</td>
<td>1,125</td>
<td>1,420</td>
</tr>
<tr>
<td># Mothers ≥35</td>
<td>191</td>
<td>236</td>
<td>246</td>
<td>286</td>
<td>223</td>
<td>266</td>
<td>254</td>
<td>329</td>
<td>347</td>
<td>365</td>
<td>393</td>
<td>512</td>
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</tbody>
</table>
Teen Pregnancy
Figure 12
Percent of Total Births to Teenagers <20 years Old by Insurance Coverage 1993-2004

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=15,144)

Figure 13
Percent of Second Time or Higher Births to Teen Mothers by Insurance Coverage 1993-2004

Data Source: Medicaid Research & Evaluation Project
Vital Statistics Birth File 1993-2004 – (n=15,144)