Newborn Screening Year in Review

Office of Newborn Screening
Occurrent Birth Comparison 2008 through 2013

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<tr>
<td>1-Jan</td>
<td>8852</td>
<td>7855</td>
<td>7480</td>
<td>7255</td>
<td>7123</td>
<td>7243</td>
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<td>2-Feb</td>
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<td>7356</td>
<td>6936</td>
<td>6625</td>
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<td>3-Mar</td>
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<td>7203</td>
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<td>5-May</td>
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<td>7203</td>
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<td>7487</td>
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<td>8-Aug</td>
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<td>7597</td>
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<td>7880</td>
<td>7844</td>
<td>7704</td>
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<td>10-Oct</td>
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<td>7966</td>
<td>7452</td>
<td>7478</td>
<td>7768</td>
<td>7648</td>
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<td>11-Nov</td>
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<td>7335</td>
<td>7135</td>
<td>7091</td>
<td>7215</td>
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<td>12-Dec</td>
<td>8146</td>
<td>7810</td>
<td>7512</td>
<td>7151</td>
<td>7348</td>
<td>7493</td>
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<tr>
<td>Totals</td>
<td>99,738</td>
<td>93,381</td>
<td>88,603</td>
<td>86,599</td>
<td>87,216</td>
<td>86,586</td>
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Birth Rates are Flat

From Vital Records database
<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
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<tbody>
<tr>
<td>Initial Screens</td>
<td>83,832</td>
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<td>Second Screens</td>
<td>75,345</td>
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<td>Invalid Screens</td>
<td>540</td>
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<td>Recall Samples</td>
<td>30</td>
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<td>Dietary Monitoring</td>
<td>98</td>
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2013 Summary
Core Conditions Detected through Bloodspot

- Medium-chain acyl-CoA dehydrogenase Deficiency
- Very long-chain acyl-CoA dehydrogenase Deficiency
- Isovaleric Acidemia
- Methylmalonic Acidemia (Cobalamin Defect)
- Cystic Fibrosis
- Congenital Hypothyroidism
- Citrullinemia
- Classic PKU
- Classic Galactosemia
- Biotinidase Deficiency
- Sickle Cell Anemia
- Hemoglobin SC
- Sickle Beta Thalassemia
- Congenital Adrenal Hyperplasia (salt wasting)

Total Confirmed Cases: 103

Metabolic: 20
Endocrine: 58
Other: 15
Hemoglobin: 10
Hemoglobin SC: 20
Sickle Cell Anemia: 15
Cystic Fibrosis: 13
Isosvaleric Acidemia: 56
Methylmalonic Acidemia (Cobalamin Defect): 6
Medium-chain acyl-CoA dehydrogenase Deficiency: 3
Very long-chain acyl-CoA dehydrogenase Deficiency: 2
Congenital Hypothyroidism: 1
Citrullinemia: 1
Classic PKU: 1
Classic Galactosemia: 1
Biotinidase Deficiency: 1
Sickle Beta Thalassemia: 2
Congenital Adrenal Hyperplasia (salt wasting): 1
### Unsatisfactory AND Less Than Ideal Samples

<table>
<thead>
<tr>
<th>Total</th>
<th>Hospitals</th>
<th>Non-Hospitals</th>
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<tbody>
<tr>
<td>540</td>
<td>1098</td>
<td>114</td>
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</table>

#### Initial Samples
- Total: 194

#### Subsequent Samples
- Total: 346

#### Total Samples
- Total: 159,845
- Hospitals: 1212 (or 0.76%)
- Non-Hospitals: 540 (or 0.34%)
78 Presumptive Positive screens with NO Final Diagnosis

- 47 (60%) Lost to Follow-up
- 31 (40%) Deceased
Hearing Screening Outcomes

Updated to 138 with Confirmed Hearing Loss