Guam Early Hearing Detection and Intervention Project (Guam EHDI)

Presentation by Elaine Eclavea, Guam EHDI Coordinator and Joseph John Mendiola, EHDI Data Coordinator
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Saturday, February 19, 2011
Atlanta, Georgia
Part 1: Positive Effects of EHDI

The Families and Children of Guam Have Benefitted From HRSA and CDC Funding
Positive Effects of the EHDI Initiative on Guam

• Brought attention to the need to identify newborns with hearing loss and to provide early intervention services to alleviate the impact of the disability

• Brought needed funding to support the establishment of early hearing loss detection and the provision of appropriate and timely intervention.

• Brought together members of the health and education communities, as well as the information technology in a mutual goal to improve services to young children
Positive Effects of the EHDI Initiative on Guam

• Demonstrated the power of parents through collaborative partnerships in the Advisory Committee, which has resulted in new directions, improved services, and continued monitoring to improve services for newborns and young children.
• Provided the opportunity in the creation of the Guam EHDI Family Support Group.
• Provided an opportunity to demonstrate how agencies can be electronically linked for a mutual goal in improvement of services to families
• A spin off from support, Guam now has a electronic birth certificate system and is supporting data management for metabolic screening and Children with Special Health Care Needs
Part 2: Guam EHDI Data

2009-2010 Data
<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2010</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Births (Vital Statistics)</td>
<td>3428</td>
<td>3422</td>
</tr>
<tr>
<td>Total Births (GMH and Sagua Managu)</td>
<td>2991</td>
<td>2901</td>
</tr>
<tr>
<td>Total Screened</td>
<td>2943</td>
<td>2822</td>
</tr>
</tbody>
</table>

Total Infants Screened on Guam

- 2009: 98%
- 2010: 97%
Total Infants Needing a Rescreen

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2010</th>
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</thead>
<tbody>
<tr>
<td>Total Infants Needing Rescreen</td>
<td>435</td>
<td>112</td>
</tr>
<tr>
<td>Total Rescreened</td>
<td>391</td>
<td>63</td>
</tr>
<tr>
<td>Total LFU</td>
<td>29</td>
<td>41</td>
</tr>
<tr>
<td>Total Relocating</td>
<td>7</td>
<td>6</td>
</tr>
<tr>
<td>Total Refused Services</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>Category</td>
<td>2009</td>
<td>2010</td>
</tr>
<tr>
<td>--------------------------------</td>
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</tr>
<tr>
<td>Total Referred for DAE</td>
<td>17</td>
<td>105</td>
</tr>
<tr>
<td>Total Passed Additional Screening</td>
<td>8</td>
<td>48</td>
</tr>
<tr>
<td>Total Pending</td>
<td>8</td>
<td>32</td>
</tr>
<tr>
<td>Total Relocating</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>Total Refused Services</td>
<td>0</td>
<td>13</td>
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<tr>
<td>Infant Died</td>
<td>0</td>
<td>2</td>
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</table>

**Total Infants Referred for DAE**

- **2009**: 17 infants referred for DAE, 8 passed additional screening, 8 pending, 1 relocating, 0 refused services, 0 infant died.
- **2010**: 105 infants referred for DAE, 48 passed additional screening, 32 pending, 10 relocating, 13 refused services, 2 infant died.
Early Intervention Services

- As of 2010, there are 5 infants are receiving early intervention services
## LFU Strategies Used

<table>
<thead>
<tr>
<th>Found in GMH Logbook</th>
<th>Found Hard Copy of Hearing Screening Form</th>
<th>Called During the Day (Baby Received)</th>
<th>Called During the Day (Baby Relocated)</th>
<th>Called During the Day (Baby Expired)</th>
<th>Called During the Day (Baby Referred to)</th>
<th>Called During the Day (Baby off-island forReviewed)</th>
<th>Found Information at GMH</th>
<th>Found Information at GEIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009</td>
<td><strong>11</strong></td>
<td><strong>10</strong></td>
<td><strong>9</strong></td>
<td><strong>1</strong></td>
<td><strong>4</strong></td>
<td><strong>3</strong></td>
<td><strong>0</strong></td>
<td><strong>2</strong></td>
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<tr>
<td>2010</td>
<td><strong>14</strong></td>
<td><strong>22</strong></td>
<td><strong>2</strong></td>
<td><strong>1</strong></td>
<td><strong>4</strong></td>
<td><strong>1</strong></td>
<td><strong>1</strong></td>
<td><strong>5</strong></td>
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Developed Products

- [www.guamehdi.org](http://www.guamehdi.org)
- New Brochures
  - Newborn Hearing Screening Program
  - Hearing and Speech Development

**It is important to pay attention to infant speech and language development. If there appears to be any delays, get your infant's hearing tested.**

**Where is additional testing done?**
If your baby needs additional evaluation or you suspect problems with hearing, testing is provided through the Guam Early Intervention System (GEIS): 315-5773/5795.

**Other Warning Signs of Hearing Loss**
Hearing loss might be at the below words or sentences in a year of the baby's first word.
- You are a concern about your infant's hearing and speech development, please contact the:

  **Guam EHDI Project**
  Center for Excellence in Developmental Disabilities Education Research & Service (Guam CEDERS)
  University of Guam
  Office of Academic & Student Affairs
  UOG Station
  Mangilao, Guam 96913
  Phone: 415-3253
  Fax: 734-5709
  Email: mail@ehdi.guam.edu
  Website: [www.guamehdi.org](http://www.guamehdi.org)

**Newborn Hearing Screening Program**

**Did you know?**
1 to 3 in every 1,000 babies born have a hearing loss.

**Early identification and assessment are the first steps in helping a child with a hearing impairment.**

**Hearing and Speech Development**
Part 3: What Will Be Accomplished Next Year

A Look Ahead
New & Ongoing Directions

• Continue data management and monitoring for all reporting purposes leading to benchmark levels of performance at all levels.

• Expand further in areas of quality assurance for both services and tracking and surveillance.

• Continue monitoring loss to follow up rates, working toward benchmark levels of performance.
New & Ongoing Directions

• Continue training and upgrade in hearing screener skills, working with all birth sites, including U.S. Naval Hospital, Guam.

• Expanding the EHDI Family Support Group – working with “Hands and Voices”.

• Establish tele-audiology plan and implementation to continue providing DAE services
Parent Story