AAP ZIKA ECHO
(EXTENSION FOR COMMUNITY HEALTHCARE OUTCOMES)
HOUSEKEEPING ITEMS

• For educational and quality improvement purposes, this ECHO session will be recorded.

• Project ECHO® collects participation data for each ECHO session. This data allows Project ECHO to measure, analyze, and report on the ECHO movement’s reach. Data is used in reports, on maps and visualizations, for research, for communications and surveys, for data quality assurance activities, and for decision-making related to new initiatives.

• To protect patient privacy, please do not provide any (PHI) protected health information.

• Please mute your microphone when not speaking. If you have video capability, please enable it.

• There is a chat function in Zoom that may be used to send messages to the group. For IT help, please chat to the AAP Admin and we will assist you.
ACKNOWLEDGMENTS

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US Virgin Islands
Zika Health Brigade, 2018

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OVERVIEW OF ZIKA IN THE US VIRGIN ISLANDS

- Jan 25, 2016 the first laboratory confirmed case in the US Virgin Islands

- 37,000+ positive tests for Zika virus in the U.S. territories
  - ~4500 are pregnant women
  - ~290 infants born to Zika positive mothers in the U.S. Virgin Islands in the last 2 years
USVI HEALTHCARE

• Care in the USVI for the pediatric population is delivered by
  – Pediatricians
  – Family medicine physicians
  – Med Peds physicians
  – Pediatric neurologist who travels to the islands a few times per year for a few days
  – Developmental pediatrician who also travels a few times a year to the islands
  – Audiologist split between St Thomas and St Croix
PURPOSE OF THE ZIKA HEALTH BRIGADE

• USVI Department of Health requested assistance from CDC, AAP, Family Voices, and HRSA

• Health Brigade provided pediatric specialists to come for 6 days and evaluate infants born to Zika positive mothers

• Specialists that participated included:
  – Pediatric Neurologists
  – Pediatric Ophthalmologists
  – Pediatric Audiologists
  – Developmental Pediatricians
Zika Health Brigade

- Families with infants/children born to Zika positive mothers were scheduled in clinic for a 2 hour block
- Children were evaluated by audiology, ophthalmology, neurology, and developmental specialists
- Child life specialists assisted with the examinations and explaining procedures and examinations to families, also assisting with siblings
- Referrals were made based on abnormalities found
- Department of Health has the list of children needing follow-up care and are connecting them with local providers
The Team
THE LOCATIONS

St. Croix

St. Thomas
## Demographics and Referrals (88 patients)

<table>
<thead>
<tr>
<th>Selected Demographic Characteristics</th>
<th>Total Number of Pediatric Patients</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>88 (100)</td>
</tr>
<tr>
<td><strong>Health Brigade Site</strong></td>
<td></td>
</tr>
<tr>
<td>St. Croix</td>
<td>23 (26.1)</td>
</tr>
<tr>
<td>St. Thomas</td>
<td>65 (73.9)</td>
</tr>
<tr>
<td><strong>Sex</strong></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>53 (60.2)</td>
</tr>
<tr>
<td>Female</td>
<td>35 (39.8)</td>
</tr>
<tr>
<td><strong>Age (Months)</strong></td>
<td></td>
</tr>
<tr>
<td>0-2</td>
<td>8 (9.1)</td>
</tr>
<tr>
<td>3-6</td>
<td>18 (20.5)</td>
</tr>
<tr>
<td>7-12</td>
<td>40 (45.4)</td>
</tr>
<tr>
<td>13-24</td>
<td>22 (25.0)</td>
</tr>
<tr>
<td><strong>Referrals for Specialty Care Follow-up Among Health Brigade Participants</strong>*</td>
<td></td>
</tr>
<tr>
<td># of Patients Referred for Follow-Up</td>
<td>62 (70.5)</td>
</tr>
<tr>
<td>Audiology</td>
<td>46 (52.3)</td>
</tr>
<tr>
<td>Neurology</td>
<td>10 (11.4)</td>
</tr>
<tr>
<td>Developmental Pediatrics</td>
<td>10 (11.4)</td>
</tr>
<tr>
<td>Ophthalmology</td>
<td>10 (11.4)</td>
</tr>
<tr>
<td>Early Intervention Services</td>
<td>13 (14.8)</td>
</tr>
<tr>
<td>Infant and Toddlers Program</td>
<td>25 (28.4)</td>
</tr>
</tbody>
</table>
**Referrals**

- **Audiology** referrals include referral for additional monitoring or evaluation by an otolaryngologist, audiologist, or pediatrician.
- **Neurology** referrals include referral for additional evaluation or monitoring by a specialist in neurology and/or referral for neuroimaging.
- **Developmental Pediatrics** referrals include referral for additional evaluation or monitoring by a specialist in developmental pediatrics.
- **Ophthalmology** referrals include referral for corrective lenses and/or additional monitoring and evaluation by an ophthalmologist.
- **Early Intervention Services** include referrals to speech therapy, physical therapy, and/or occupational therapy.
- **Infant and Toddlers Program** referral includes referral to the USVI Infant and Toddlers Program for parent support services.
CASE STUDY

• An 18-month-old was seen in the St. Thomas clinic. Examination showed a distinctive facial appearance with prominent epicanthal folds and microcephaly (OFC <10\textsuperscript{th} %tile). She had mild, global developmental delays, most notable for language. Audiological and ophthalmological examinations were normal.

• Her mother had a similar facial appearance. She had been seen as a child in the St. Thomas MCH clinic for developmental concerns. Her OFC was 51 cm (average OFC for an adult woman = 54.5 cm).
FOLLOW-UP CARE

• Pediatric Neurologist will continue to return a few times a year for follow-up
• Adult neurologist will cover in the meantime
• Audiology (working on hiring a second, one for each island)
• Developmental pediatrician will return a few times a year for follow-up (currently on St Croix, working on clinic location for St Thomas)
• Adult ophthalmology will cover
• Primary care providers will continue to provide well child examinations, follow development and growth parameters
FUTURE ZIKA WORK

• HRSA is connecting with local physicians to provide education
• DOH is working to recruit more pediatric specialty providers, pediatrician for MCH clinic on St Croix and an audiologist for St Thomas
• DOH is continuing to follow the patients that were seen during the health brigade to ensure follow-up is occurring
THANK YOU

• For any questions please contact shanaecato@gmail.com