

Arizona EHDI Hearing Screening Update



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Newborn Hearing Screening in Arizona

- 49 hospitals
 - All screening with either OAE/AABR or AABR only
 - All conducting outpatient re-screens for babies up to one month of age
 - Hospitals will provide re-screening services to all babies regardless of where they were born
 - Screens recorded on back of immunization card

BABY SHOTS
A HEALTHY DOSE OF LOVE

Newborn Hearing Screening

Initial Screen Complete by hospital discharge		Second Screen Complete by 1 month of age	
Date			
Right	Pass / Refer	Pass / Refer	
Left	Pass / Refer	Pass / Refer	

Monitor for late onset and progressive losses

Refer for 2nd Screen Refer to pediatric audiologist (if over 6 mo.)

Monitor for late onset and progressive losses

Refer to a pediatric audiologist for complete evaluation

Arizona Department of Health Services

LIFETIME IMMUNIZATION RECORD



Key Recommended Inpatient and Outpatient Screening Protocols

- 2-3 attempts prior to discharge
- If fail, outpatient re-screen within 1 - 2 weeks and no later than one month
- Re-screen with AABR if failed OAE
- If fail outpatient re-screen, refer to medical home for a referral to a qualified pediatric audiologist
- Babies in NICU for more than 5 days / risk indicators for late onset and progressive hearing loss, screen with A-ABR, skip outpatient re-screen and go directly to audiologist for diagnostic evaluation

All the critical information for quality newborn hearing screening.

The Curriculum Disc will play on a standard movie DVD player or on a computer with DVD movie player software.

- Insert the DVD into the player and choose the section from the menu that you want to view.
- After choosing a section you can:
 - Play Automatically
 - Play Manually (pause after each slide)
 - Thumbnails (preview each slide)
- For Manual Play and Thumbnails, use the "Next Chapter" button on your remote to advance to the next slide.
- Use the pause button on your player to pause the playback at any time.

The Resources Disc is a computer data disc. It can be used with either a Windows or Macintosh computer. The files on the disc are in Microsoft Word (.DOC) and Adobe Acrobat (.PDF) format. You may need to install the Adobe Acrobat Reader program in order to view the Acrobat PDF files.



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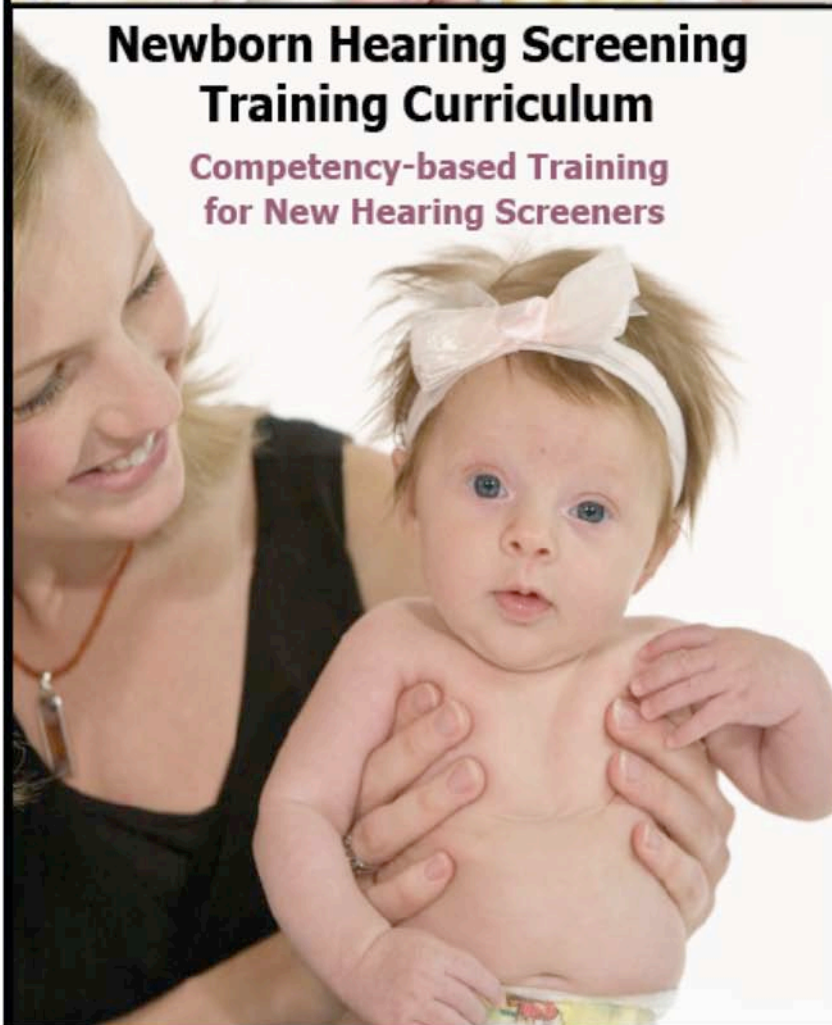
Newborn Hearing Screening Training Curriculum

2 Disc Set



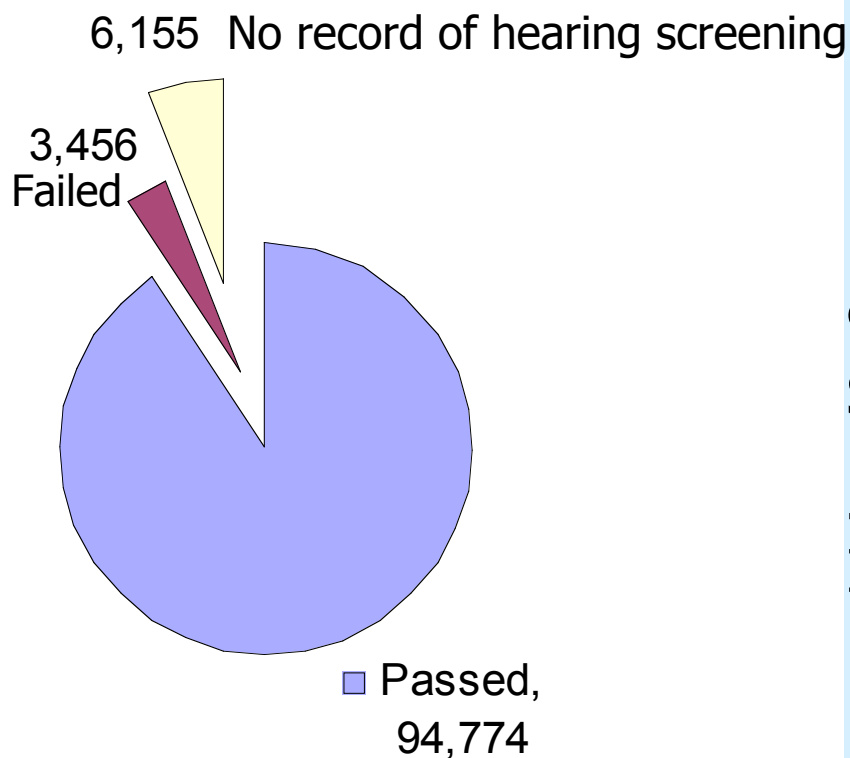
Newborn Hearing Screening Training Curriculum

Competency-based Training for New Hearing Screeners





2007 Inpatient Screening



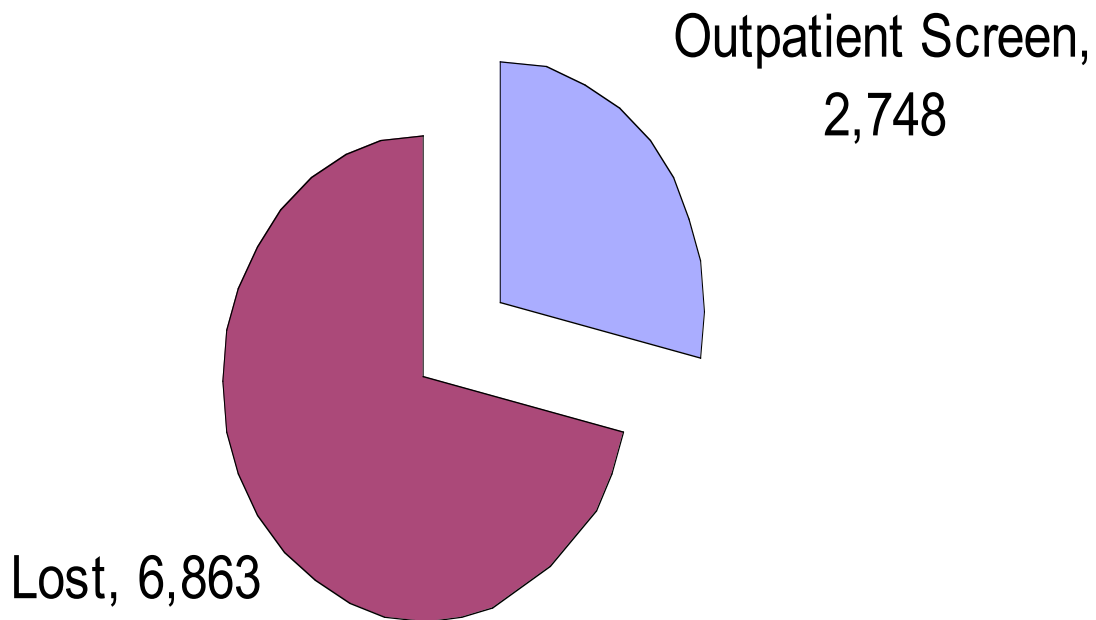
104,385 Total Births

95% Reported Screened

3.5% Referred from Inpatient Screen

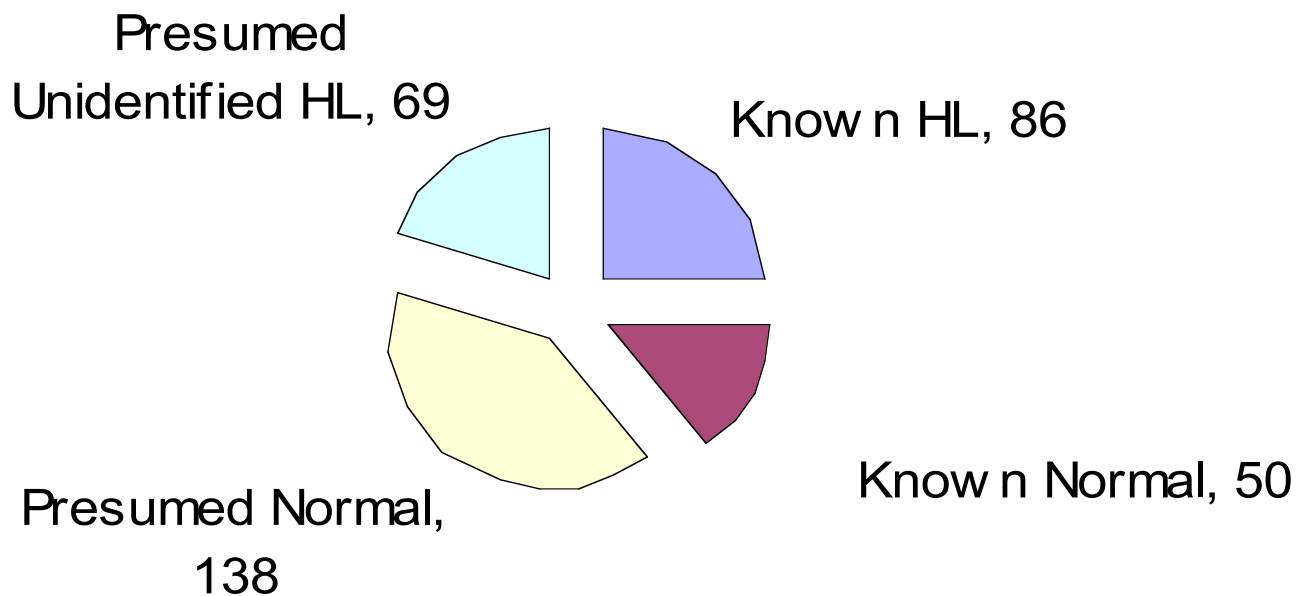


9611 Births Not Screened or Failed Inpatient Screen



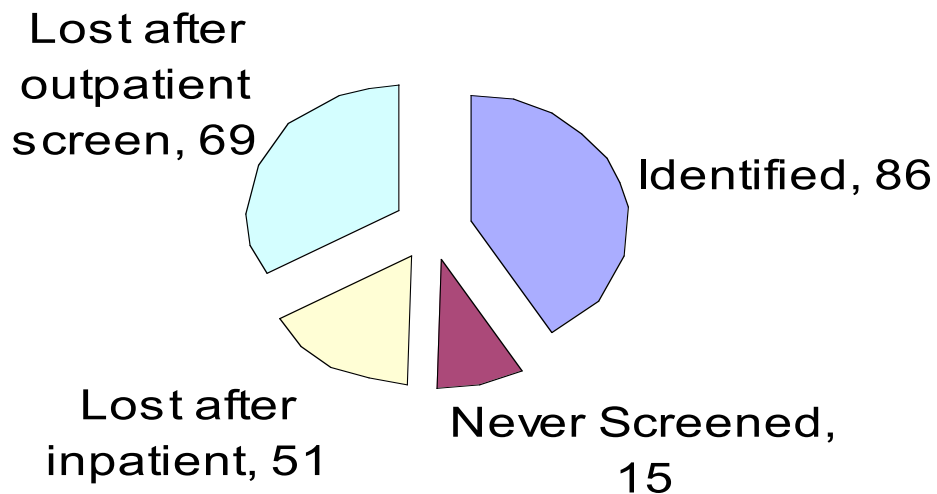


The 343 Infants Failing the Outpatient Screen





Deaf and Hard of Hearing Children Born in 2007 in Arizona





Centralized Follow-up

AZ Department of Health Services Program Changes

Focus on high risk population

- NICU
- Infants with two stage refer result
 - Case management
 - Contact hospitals
 - Letter and phone calls to families and physicians
- Developing Partnerships
 - Hospital, Audiologist, ENT, Medical Home





Causes of loss to follow-up Delayed Diagnosis

- Failure to return for second screen
- Otitis media
- Parental denial: Babies respond to some sounds (normal for mild, unilateral or sloping hearing losses)
- Lack of resources/waiting lists
- Transportation barriers
- Need for multiple visits to complete diagnostic evaluation
- Lack of stakeholder buy-in/education issues
- Unnecessary repeated screenings



Ongoing Screening Birth to Three

1. Address loss to follow up
 - No follow-up after birth screen
 - Missed in the hospital
 - Born outside of AZ border
 - Late onset and progressives
2. Identify Chronic OM
3. Address parental and PCP concerns
 - Hearing loss
 - Child not talking
 - Child not meeting developmental milestones

Early Identification of Hearing Loss



Conducting periodic Otoacoustic Emissions (OAE) hearing screening with infants and toddlers during well-child visits



Helping Children Hear... and Now



OTICON FONDEN



