



# The Newborn Hearing Screening Training Curriculum

## A Preview of Upcoming Changes

Randi Winston, Au.D., CCC-A  
Consulting Audiologist  
NCHAM  
Arizona EHDI

Karen M. Ditty, Au.D., CCC-A  
NCHAM

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# **Newborn Hearing Screening Training Curriculum**

**Competency-based Training  
for New Hearing Screeners**



# Development

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- Randi Winston, AuD, *NCHAM, The EAR Foundation of Arizona, Arizona EHDI Program*
- Lylis Olsen, MS, MPH, *The EAR Foundation of AZ (EFAZ), Arizona EHDI*
- Karen Ditty, AuD, *NCHAM, Texas ENT Specialists, P.A.*
- Diane Sabo, PhD, *NCHAM, Children's Hospital Pittsburgh, University of Pittsburgh*
- Marlene Hesley, RN, *Banner Desert Medical Center*
- Other contributors:
  - Terry Foust, AuD, *NCHAM*
  - Karen Munoz, Ed.D, *NCHAM*
  - Janet DesGeorges, *Hands and Voices*
  - Vicki Thompson, PhD, *Colorado EHDI Program*
  - Keith Garrett, *Arizona EHDI Program*



# NHSTC Objective

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*To improve the standard of care to babies and families through efficient screening practices resulting from quality, comprehensive, standardized training*



# Targeted Outcomes

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- Consistency in screening practices
- Screener confidence
- Appropriate refer rates
- Improved loss to follow up
- Cost efficiency
- Time efficiency
- Community confidence in the program



# NCHAM Survey Results

## **Additional Info I would like included**

Ability to add specific state procedure to submit results

It would be great if you could develop something for physicians and ENT doctors about newborn hearing screening, follow up and monitoring of risk factors. We still have issues with physicians not ensuring children are rescreened at a later date (even though we send letters) when the child passed, but had risk factors. We also have issues with PCPs and ENTs not having children rescreened following treatment of ear infections, etc. They sometimes say it is not necessary. Reinforcing follow-up screens would be helpful if you could work through the AAP and Family Physician groups to reinforce that message!

Include more strategies to decrease loss to follow-up when infant does not pass his/her hearing screen

Outcome measures that measure the effectiveness of hospitals using the materials

Availability as an online course

Ability to add state specific info; they added a supplement to it for this purpose (insert)



# Illinois EHDI Pilot Study

## *Background*

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- Purpose
  - To investigate learning, screening and follow-up outcomes from the NHSTC
- Primary Goal of the study
  - To increase screener knowledge and confidence in all aspects of the NHS process
- Aim of the study
  - To increase the number of parents connected to the next step if baby fails the screening
  - To improve hospital NHS program outcomes



# Illinois EHDI Pilot Study

## *Methods*

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- Project Team (NCHAM and IL Dept of Public Health) selected 2 hospitals with high refer rates and low follow-up rates
- Conducted and modeled training sessions at both hospitals using a train-the-trainer approach with program leaders/coordinators.
- Conducted an short introduction prior to the DVD viewing and a “hands-on” demonstration after the DVD, using the “Skills Checklist”





# Illinois EHDI Pilot Study

## *Instruments*

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- Prior to the training screeners completed
  - Screener Information Questionnaire
  - Pre-test
- Following the training the screeners completed
  - Post Training Questionnaire
  - Post-test
- Parent Survey
- Hospital Screening Statistics Form



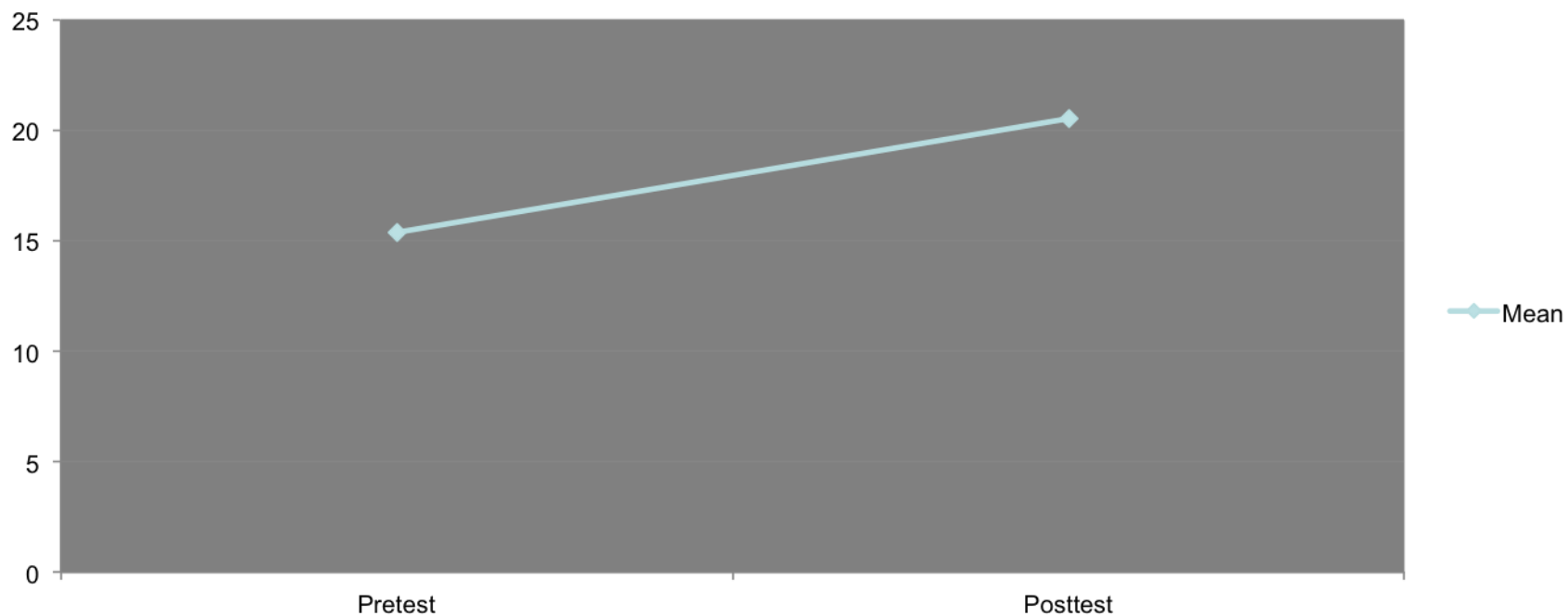
# Illinois EHDI Pilot Study

## *Preliminary Results*

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### *Knowledge: Pretest to Posttest*

**Mean**

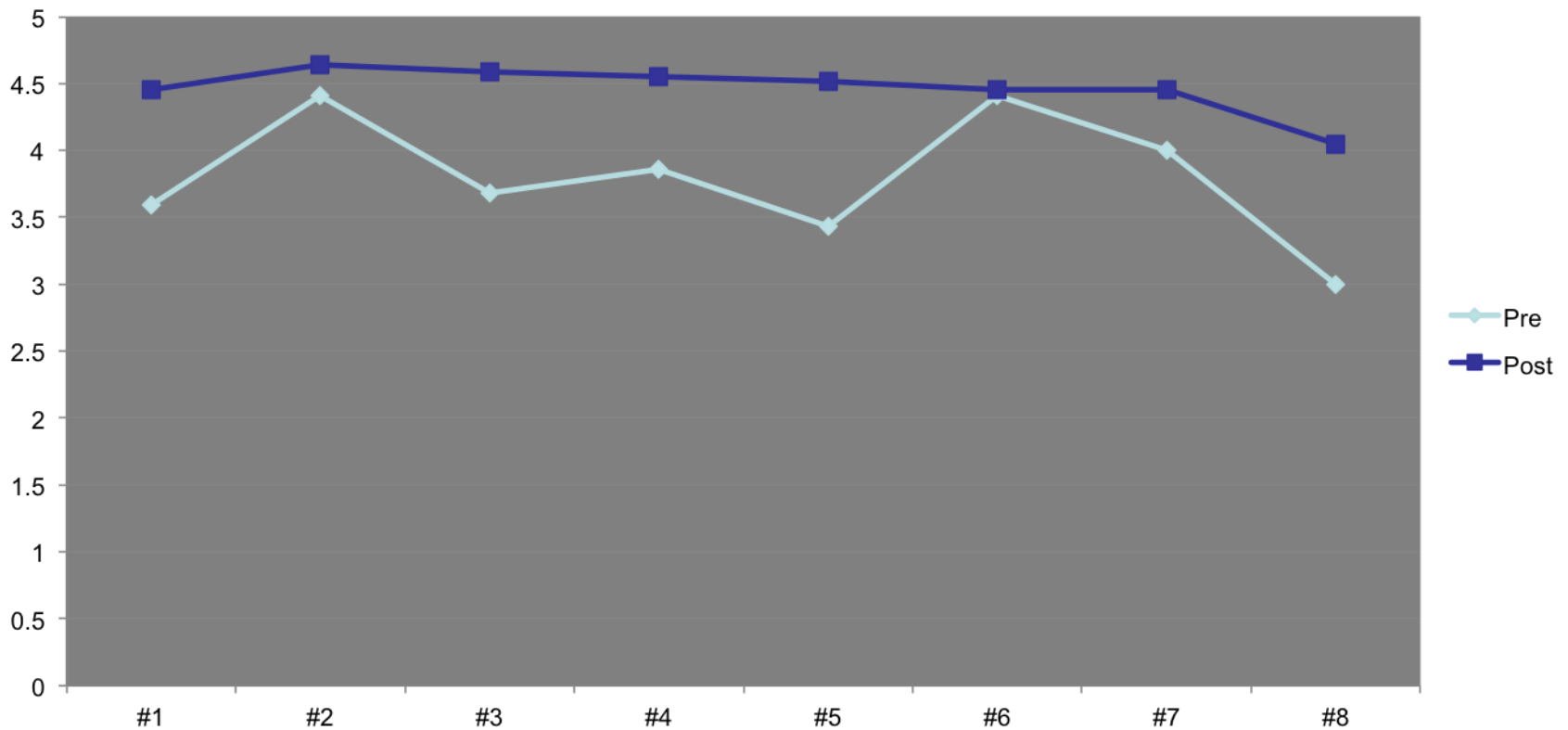




# Illinois EHDI Pilot Study

## *Preliminary Results*

### *Screeners Perceived Confidence Pre and Post Training*





# NHSTC Web

(Funded by IL EHDI and NCHAM)

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- Web format, accessible through the NCHAM Website....
- Designed to be a “One Stop Training Shop” for hospital screening programs
  - Screener training (based on initial product)
  - Program Coordinator section
  - Hands on demonstration video
  - Training tools



# Program Coordinator Section

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- Roles and Responsibilities
- Policies and Procedures/Protocols
- Equipment (supplies, maintenance, etc.)
- Communication
- Program Management
  - Data management
  - Quality Assurance
- Resources and Tools
- Financial Considerations



# NHSTC Web

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- Added Resources, such as a template for state specific information
- Babies with Risk Indicators updated
- Parent Scripts Role Modeling
- Parent Videos
- Pre-tests
- Updated photos of different intervention options

# Introduction to Newborn Hearing Screening



## Module Introduction



### Module Introduction

In this module we'll discuss the definition of screening, the impact of screening and about the early hearing detection and intervention or EHDI, process. To better demonstrate the importance of training let's listen in on pediatric audiologist Beth. She's just started to train Jordan on how to





# Questions?

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Beta version release expected by April 30