





Data Dashboard Development for EHDI 1-3-6 Tracking and Follow-up

March 19, 2024

Denver, CO

Learning Objectives



Learning Objective 1: Participants will be able to describe Rhode Island's EHDI data dashboard.

Learning Objective 2: Participants will learn how a dashboard in an integrated child health information system may enhance program efficiency and improve follow-up.

Learning Objective 3: Participants will understand how an EHDI data dashboard can facilitate follow-up and tracking of reasons why services were not delivered.

Introduction to Rhode Island EHDI-IS



- Approximately 11,000 babies are born each year in Rhode Island
- 5 birth hospitals plus home births (30-50 per year)
 - All utilize standard equipment provided and maintained by RI-EHDI
- 3 diagnostic centers that see infants under 6 months of age
- 4 of 9 Early Intervention agencies are part of an EHDI community of practice that sees the majority of children who are deaf/hard of hearing

- ☆☆ EHDI-Information System is integrated into KIDSNET
- ☆☆ A Public Health Program – not an electronic medical record
- ☆☆ Integrated Child Health Information System for maternal and child health programs
- ☆☆ Facilitates the collection and appropriate sharing of public health data by authorized users for the provision of timely and appropriate preventive health services and follow up

KIDSNET Partner Programs



7 Universal:

- ☆☆☆ Newborn Developmental Risk
- ☆☆☆ Newborn Bloodspot Screening
- ☆☆☆ Newborn Hearing Assessment
(includes diagnostic audiology)
- ☆☆☆ Immunization
- ☆☆☆ Childhood Lead Poisoning
- ☆☆☆ Vital Records
- ☆☆☆ Child Outreach

11 Targeted:

- ☆☆☆ WIC
- ☆☆☆ Early Intervention
- ☆☆☆ Family Visiting
- ☆☆☆ Birth Defects*
- ☆☆☆ Cedar Care
Coordination
- ☆☆☆ Dental Sealants*
- ☆☆☆ Birth Defects
- ☆☆☆ Healthy Weight
- ☆☆☆ Asthma
- ☆☆☆ Early Childhood
Developmental
Screening
- ☆☆☆ Foster Care*
- ☆☆☆ Head Start

EHDI-IS Data Flow

Other Data Sources

Vital Records sends newborn demographics to KIDSNET

Audiologist performs diagnostic, enters results into KIDSNET

EI conducts intake, sends IFSP to KIDSNET

KIDSNET

Import Newborn Demographics

Import hearing screenings

★ Check dashboard to begin RI-EHDI follow-up

Continue RI-EHDI follow-up, refer to EI if needed

RI-EHDI Follow-up Continues

Hospital Laptops

Import newborn demographics, sync handheld to laptop

Transfer hearing screenings to KIDSNET

Handheld Device at Hospital

Screen babies with handheld device

Sync handheld to laptop

EHDI-IS Dashboard (in KIDSNET)



Information in the EHDI dashboard includes:

- EHDI Summary 1-3-6 Data
- Demographics
- Hospital Transfers
- Primary Care
- Foster Care Social Worker
- Contact log: Tracks communications (phone calls, letters, etc.) with the family and EHDI partners such as audiologists and EI providers.

RI EHDI Dashboard: DEMO



SEE HANDOUT OF SCREEN SHOTS FOR DETAILS

- Screening results from device
- Screener statistics
- iEHDI
 - Generates iEHDI .csv file
- HSFS (summary and child level)
- 1-3-6 Data
 - Statewide and hospital level
 - NICU vs well-baby nursery
 - Used for hospital site visits

Otodynamics - Main Menu

- Otodynamics Results
- Children Not Screened
- Individual Otodynamics Screening Results (includes QA screening results)

EHDI Contacts and Interventions (Old)

- Contact Log
- Non Part C EI

RI-EHDI

- Screener/Facility Profile
- Dashboard Child Lookup
- RI-EHDI Activity
- Screeners
- Screener Refer Rate Report (New)
- iEHDI
- Hearing EHDI Progress View
- Hearing EHDI Progress View Stats
- CDC-EHDI - Screening
- CDC-EHDI - Screening - Detail
- CDC-EHDI - Diagnostic
- CDC-EHDI - Diagnostic - Detail
- CDC-EHDI - Intervention
- CDC-EHDI - Intervention - Detail
- CDC-EHDI - Type, Severity, Ear
- CDC-EHDI - Type, Severity, Ear - Detail
- CDC-EHDI - Demographics
- CDC-EHDI - Demographics - Detail
- CDC-EHDI - Additional Cases Not Reported
- CDC-EHDI - Additional Cases Not Reported - Detail
- EHDI Advisory Committee Data (based on CDC-EHDI stats, by quarter)
- EHDI Advisory Committee Data Details
- HSFS Spreadsheets

Individual child look-up

- *** Screening Results
- *** Diagnostic Audiology
- *** Early Intervention
- *** Follow-up partners
- *** Primary Care
- *** Family Visiting
- *** WIC
- *** Early Head Start



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Hearing Assessment

[printer-friendly version](#)

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Enter KIDSNET/RICAIR ID:

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Patient Information -02/28/2024

First Name: **REX** Middle: **Z** Last: **BALROG** KIDSNET Id: **8063793**
Date Of Birth: **03/09/2022** Age: **23m 19d** Gender: **FEMALE**
KIDSNET Status: **ACTIVE** PCP: **TEST PEDIATRIC PRACTICE**

Parent/Guardian: **PARENT LAST** Date of birth: **09/01/1974**

Newborn Hearing Screening Results

Date Tested	Screen Type	Result
02/19/2024	OAE RIGHT EAR	FAIL
02/19/2024	OAE RIGHT EAR	FAIL
02/19/2024	OAE LEFT EAR	FAIL
02/19/2024	OAE LEFT EAR	FAIL

Intended PCP: **DOCTOR, TEST**

Audiological Recommendation:
(at time of screening)

DX-ABR

KIDSNET: Diagnostic Audiology



Amplification

	LEFT EAR	RIGHT EAR
Date of 1st Hearing Aid Fitting:	11/23/2022	11/23/2022
Date of 1st Cochlear Implant:		
Amplification		

Detailed Audiological Diagnostic Information

Date Tested: **11/23/2022** Audiologist: **CHRISTEN KELLY**
Primary diagnosis: **Sensorineural hearing loss, bilateral (H90.3)**
Diagnosis Left: **SENSORINEURAL** Diagnosis Right: **SENSORINEURAL**
Degree Left: **MODERATE** Degree Right: **MODERATE**
Reason for Visit: **Failed newborn screen**
Risk Factors:
Tests Performed:
Audiological Recommendation/Referral(s) made: **Re-evaluation: Specific Date (01/04/2023)**
Amplification:
Hearing Aid (L): **Date started: 11/23/2022 Discontinued date:**
Hearing Aid (R): **Date started: 11/23/2022 Discontinued date:**
Cochlear Implant (L):
Cochlear Implant (R):
Secondary ICD10:

KIDSNET: Early Intervention



Early Intervention Information

Referral Date:	01/26/2023	Initial Referral Date:	01/26/2023
Date of Evaluation:	03/29/2023	Initial Evaluation Date:	03/29/2023
IFSP Date:		Initial IFSP Date:	

Discharge date:

Discharge Status:

Agency:	Seven Hills of RI
Address	178 Norwood Avenue Cranston , RI 02905

KIDSNET: EHDI Follow-up Report



A list of patients in your practice.

Newborn Hearing Screening Follow-up

CDC recommends that infants complete the screening/rescreening process by one month of age and diagnostic audiology by 3 months of age. A diagnostic ABR can be obtained at Rhode Island Hospital or Women & Infants' Hospital Audiology Departments.

[Click here for a list of audiologists known to serve children in Rhode Island.](#)

Select follow-up Category:

To select multiple newborn hearing screening categories, hold the "CTRL" key down while clicking on the desired groups. Selecting no groups will run the report for all listed categories.

Initial Screen
Rescreen
Visual Response Audiometry (VRA)
Diagnostic Audiology

- Only children that were born or received newborn hearing screening in Rhode Island will appear on this report.
- Making no selection below will run the report for all children, ages birth to one year old, assigned to your practice.
- Individuals listed on the report need immediate follow-up or audiological data has not been reported to KIDSNET.

Date of Birth: From: / / (mm/dd/yyyy)

To: / / (mm/dd/yyyy)

Or...

Age: From: months

Up To: months
(but not including)

Available to:

- Primary Care
- Early Intervention
- WIC
- Family Visiting
- Head Start/Early Head Start
- Managed Care Organizations

KIDSNET: EHDI Follow-up Report



Newborn Hearing Screening Follow-up Report- A list of patients in your practice who need follow-up from newborn hearing screening.

* Parent indicated practice at birth

Patient Name	Date Of Birth	KIDSNET Id	Service Needed
1. LINUS ANARION	05/11/2023	8116821	VRA (passed screen, risk factors for late onset hearing loss)
2. PEPPERMINT J ANARION	04/25/2023	8115491	VRA (passed screen, risk factors for late onset hearing loss)
3. SCHROEDER G ARAGORN	03/31/2023	8113947	VRA (passed screen, risk factors for late onset hearing loss)
4. SNOOPY M ARWEN	04/04/2023	8114142	VRA (passed screen, risk factors for late onset hearing loss)
5. VIOLET Z BOROMIR	05/13/2023	8117088	VRA (passed screen, risk factors for late onset hearing loss)
6. SCHROEDER A FARAMIR	03/26/2023	8113673	VRA (passed screen, risk factors for late onset hearing loss)
7. SID FORLONG	03/07/2023	8111028	VRA (passed screen, risk factors for late onset hearing loss)
8. EUDORA R GALADRIEL	04/14/2023	8114786	VRA (passed screen, risk factors for late onset hearing loss)
9. SNOOPY X LEGOLAS	06/01/2023	8118297	VRA (passed screen, risk factors for late onset hearing loss)
10. BO A SAURON	04/30/2023	8116021	VRA (passed screen, risk factors for late onset hearing loss)
11. SPIKE SHELOB	05/23/2023	8117722	VRA (passed screen, risk factors for late onset hearing loss)
12. REX M VARDA	05/14/2023	8117212	VRA (passed screen, risk factors for late onset hearing loss)
13. SPIKE M VARDA	06/24/2023	8120187	Visual Response Audiometry (VRA)

Questions?





Rhode Island EHDI

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