

Connecting EHDI Data to Medical Homes Through an Integrated Data System

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Thanks to Our Team...



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Rhode Island EHDI statistics



	2010	2011	2012
% Screened	98.99	99.32	99.38
% Referred - No final diagnosis	32.26	35.92	43.59
% Lost to follow-up	18.28	20.42	18.8
% eligible referred to Part C in El	100	100	100

# passed screen	866	798	891
with risk factors			

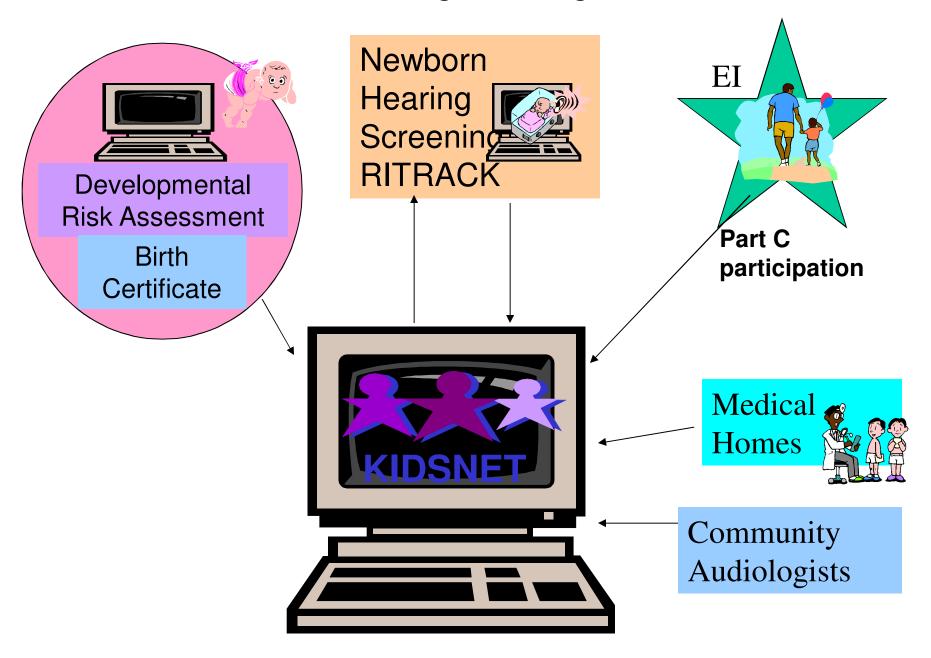
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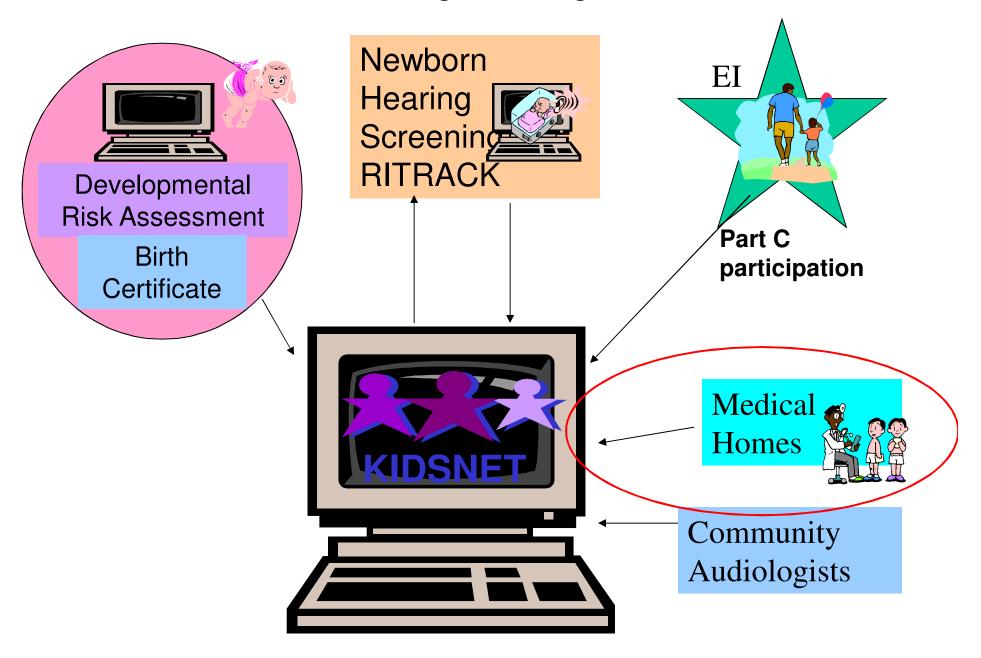
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Newborn Hearing Screening Data Flow



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Connect with Medical Homes



- ***All healthcare providers who vaccinate children in Rhode Island are connected and report to KIDSNET
- ***KIDSNET shares data daily with RITRACK, the newborn hearing screening database
- How can Rhode Island build on that strength to improve EHDI loss to follow-up?

What is KIDSNET?



A Public Health Program – not an electronic medical record



- Facilitates the collection and appropriate sharing of health data by authorized users for the provision of timely and appropriate preventive health services and follow up
- Integrated Child Health Information System for maternal and child health programs

KIDSNET Partner Programs



7 Universal:

- Newborn

 Developmental Risk
- Newborn Bloodspot Screening
- Newborn Hearing
 Assessment
- ****** Immunization
- Childhood Lead Poisoning
- ** Vital Records
- *** Child Outreach**

10 Targeted:

- ***WIC
- ★★ Early Intervention
- First
 Connections
 (Home Visiting)
- ***Birth Defects*
- CEDARR**

- *** Healthy Weight
- *** Asthma
- Early ChildhoodDevelopmentalScreening
- ******* Foster Care*
- ★ Head Start **

^{*} No Web access **in development

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Hearing Assessment Screen

Newborn Hearing Screening Results

Date Tested Screen Type Result 03/29/2004 OAF RIGHT FAR PASS

03/29/2004 AABR LEFT EAR FAIL AT 40

03/29/2004 DID NOT TEST AABR RIGHT FAR

03/29/2004 OAE LEFT EAR FAIL

Intended PCP: Dr. Testa Refer Screening Result:

Audiological

DX-ABR Recommendation:

Risk Factors: Low birth weight

Amplification

Date Of Hearing Aid Date Of Cochlear Implant 12/19/2007

Fitting: Surgery:

Detailed Audiological Diagnostic Information

Date Tested: 08/27/2007 Audiologist: Dr. Earya

Diagnosis Left: NORMAL Diagnosis Right: SENSORINEURAL

PROFOUND Dearee Right: Dearee Left: N/A

Reason for Visit:

Tests performed: TEOAE, Tympanometry, Behavioral Testing - VRA, IPSI Reflex

Audiological

Recommendation:

ICD9:

Secondary ICD9:

IMMUNIZATION SCREEN

Valid Doses	1	2	3	4	5	NEXT DUE
Hepatitis B 3 valid doses <u>A</u> <u>C</u>	12/04/2004 HEPB CHILD 1m 3d	02/11/2005 Pediarix 3m 10d	04/11/2005 Pediarix 5m 10d [2]	06/15/2005 Pediarix 7m 14d		End of Series Reached
DTaP 3 valid doses <u>A</u> <u>C</u>	02/11/2005 Pediarix 3m 10d	04/11/2005 Pediarix 5m 10d	06/15/2005 Pediarix 7m 14d	P		Due Now (11/01/2008 - 11/01/2011) Dose 4
PCV7 4 valid doses <u>A</u> <u>C</u>	02/11/2005 Prevnar 3m 10d	04/11/2005 Prevnar 5m 10d	06/15/2005 Prevnar 7m 14d	12/06/2005 Prevnar 13m 5d	T.	End of Series Reached
Polio 3 valid doses <u>A</u> <u>C</u>	02/11/2005 Pediarix 3m 10d	04/11/2005 Pediarix 5m 10d	06/15/2005 Pediarix 7m 14d			Due Now (11/01/2008 - 11/01/2011) Dose 4
Hib 3 valid doses <u>A</u> <u>C</u>	02/11/2005 PedvaxHIB 3m 10d	04/11/2005 PedvaxHIB 5m 10d	12/06/2005 PedvaxHIB 13m 5d	P	L	End of Series Reached
Rotavirus O valid doses <u>Add</u>						Maximum Age Reached
MMR 0 valid doses <u>Add</u>				P	L	Past Due

Demographics

printer-friendly version

Search

Enter KIDSNET ID: LookUp

Demographic Information - 04/10/2013 - Click Here to Update Child

Child Id: 6124286 Medical Record: Date Updated: 03/12/2013

Patient: SNEEZY D ARAGOM Age: 4y 1m

Alias: SNEEZY AL-1 D ARAGOM AL-1

Race: WHITE (INCL. MEXICAN, PUERTO Ethnicity: UNKNOWN

RICAN, OTHER CAUCASIAN)

DOB: (hh:mm) 02/22/2009 -12:00 AM Gender: FEMALE

Mother's Maiden Name: ARAGOM

Hospital: PAWTUCKET MEMORIAL Status: ACTIVE

State of Birth: RI Medicaid ID:

Last Known Insurance: RITE CARE-NEIGHBORHOOD HEALTH*

Insurance status may not be current. Verify eligibility directly with the health plan.

Provider History

Current PCP: TEST PEDIATRIC PRACTICE Imm Labels: N

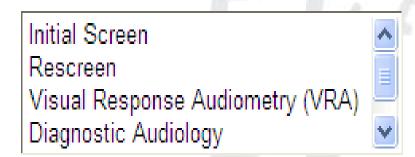
Reports for PCPs



- EHDI follow-up recommendations can be linked to the primary care provider using the last provider to report an immunization to KIDSNET
 - ***Printed report from RITRACK mailed quarterly
 - On-line report in KIDSNET for providers to run their own report



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.



- Only children born in Rhode Island will appear on this report.
- Making no selection below will run the report for all children, ages birth to three years 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:	For example: FROM 5 months UP TO months months includes all children 5 and 6

Practice Reports-Newborn Hearing Screening Follow-up

Report Criteria: Wednesday, February 26, 2014 07:16:24 AM

Provider Id: 34567

Practice: TEST PEDIATRIC PRACTICE

All Children up to age 3 years reported (not including children who have had a 3rd birthday)

Follow-up Categories Selected: Initial Screen, Rescreen, Visual Response Audiometry (VRA), Diagnostic Audiology, Diagnostic ABR

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

Child Name	Date Of Birth	KIDSNET Id	Reason Service Needed not screened
1. Child 1	08/10/2013	52338	Visual Response Audiometry
2. Child 2	04/12/2103	51954	Visual Response Audiometry
3. Child 3	01/24/2013	51751	Diagnostic Audiology
4. Child 4	03/07/2013	46481	Diagnostic ABR
5. Child 5	12/15/2013	52286.	Rescreen
6. Child 6	06/12/2013	54342	Visual Response Audiometry
7. Child 7	05/19/2013	48675.	Visual Response Audiometry
8 Child 8	11/29/2013	55404	Initial Screen Refusal



Impact on Loss to Follow-up



- Quarterly mailed report
 - ***Anecdotal reports from audiologists of an increase in calls for appointments
- On-line report in KIDSNET for providers to run their own report
 - Too early to tell programming has just been released to production

Audiology visits for infants who passed with risk factors



Year of Birth	2010	2011	2012
# infants	866	798	891
# with at least one documented audiology visit	440	364	392
% with at least one documented audiology visit	51%	46%	44%

The "jury is still out"



Many initiatives to reduce loss to follow-up have been put in place

***Many audiologists do not report

Small numbers make percentages fluctuate wildly



Plan, Do, Study, Act (PDSA) cycles will help shed light by looking intensely at a few provider offices



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