





Insights into your patient population from KIDSNET

November 1, 2018
Warwick, RI

Session Overview



- ☆☆☆ Overview of KIDSNET, Rhode Island's integrated child health information system
- ☆☆☆ KIDSNET reports that can be used for care coordination
- ☆☆☆ Description of newborn developmental risk screening data collected in KIDSNET
- ☆☆☆ PCMH Kids Practice Profiles provided by KIDSNET
- ☆☆☆ Care Coordination case study

What is 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 health data by authorized users
for the provision of timely and appropriate
preventive health services and follow up

KIDSNET Partner Programs



Universal:

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

Targeted:

- *** WIC
- *** Early Intervention
- *** Home Visiting
- *** Birth Defects
- *** Cedar (Medicaid care coordination)
- *** Healthy Weight
- *** Asthma
- *** Early Childhood Developmental Screening
- *** Foster Care
- *** Head Start

KIDSNET Users



☆☆ Medical Care Providers

☆☆ Maternal & Child Health Programs

☆☆ Head Start and Child Care Agencies

☆☆ Schools/Child Outreach

☆☆ Home Visitors

☆☆ Certified Lead Centers

☆☆ Audiologists

☆☆ Managed Care Organizations


☆☆ Early Intervention

☆☆ WIC

☆☆ Cedar Centers

Screen Shots



 KIDSNET can be used to look at information for an individual child

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Demographics

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Search

Enter KIDSNET ID:

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Demographic Information - 09/20/2018 [Click Here to Update Child](#)

Child Id: **7278013** Medical Record: Date Updated: **10/05/2017**
First Name: **SNOOPY** Middle: **B** Last: **BROWN** Age: **8y 6m**
Alias:
Race: **WHITE** Hispanic: **NO**
DOB: (hh:mm) **02/23/2010 -12:00 AM** Gender: **FEMALE**
Mother's Maiden Name: **TEST**
Hospital: **WOMEN & INFANTS** KIDSNET Status: **ACTIVE**
State of Birth: **RI**
Last Known Insurance: **BLUE CROSS/BLUE SHIELD**
Insurance status may not be current. Verify eligibility directly with the health plan.

Provider History

Current PCP: **TEST PEDIATRIC PRACTICE** Imm Labels:
Others: **EAST BAY PEDIATRICS AND ADOLESCENT MEDICINE**
Lead Screening: **FERRETTI, MARCOLINO**
Identified at Birth: **DOCTOR, TEST**

Parent/Guardian Information

MOTHER: (1 of 1)

Parent/Guardian: **TIGE BROWN** DOB: **01/01/1970**
Relationship: **MOTHER** Language: **ENGLISH**
Home Phone: **(401) 555-1212** Status: **G**
Alternate Phone: **(401) 222-2222** Status:
Parent/Guardian Address: Mailing Address:
123 MAIN STREET, Apt: 22 **123 MAIN STREET, Apt: 22**
NEW SHOREHAM, RI 02222 **NEW SHOREHAM, RI 02222**
Status: **G** Status: **G**
123 MAIN ST **123 MAIN ST**
PROVIDENCE, RI 02905 **PROVIDENCE, RI 02905**
Status: **G** Status: **G**

Hearing Assessment Screen

Child Information -08/14/2009

Name: **KAREN SMITH** KIDSNET ID: **450433**
Date Of Birth: **11/01/2004** Age: **4y 9m** Gender: **FEMALE**
KIDSNET Status: **ACTIVE** PCP: **DOH TEST PRACTICE**
Parent/Guardian: **JANET SMITH** Date of birth: **02/11/1980**

Newborn Hearing Screening Results

Date Tested	Screen Type	Result
12/04/2004	OAE RIGHT EAR	PASS
12/04/2004	OAE LEFT EAR	PASS

Screening Result: **Pass**
Audiological Recommendation: **DISCHARGE FROM RIHAP, NO FURTHER ACTION**
Risk Factors:

Detailed Audiological Diagnostic Information

Date Tested:	06/25/2009	Audiologist:	KIM AUDIOLOGIST
Diagnosis Left:	CONDUCTIVE-PERMANENT	Diagnosis Right:	NORMAL
Degree Left:	MILD	Degree Right:	N/A
Tests performed:	Tympanometry,DPOAE,Bone Conduction		
ICD9:	Conductive hearing loss unilateral (389.05)		
Secondary ICD9:			

Risk Factors:

Comments: **retest in 6 months**

Lead Screening

Child Information -05/03/2010

Name: **TOM W SMITH** KIDSNET ID: **66296**
Date Of Birth: **01/14/2000** Age: **10y 3m** Gender: **MALE**
KIDSNET Status: **ACTIVE** PCP: **DOH TEST PRACTICE**
Parent/Guardian: **KAREN SMITH** Date of birth: **11/11/1974**

Blood Lead Screening Information

Test Date	Physician Name	Sample Type	EP	PbB	Date Updated
11/11/2004	WAGNER ,CARRIE L	V	022	010	12/06/2004
07/29/2004	WAGNER ,CARRIE L	V	030	013	08/19/2004
04/15/2004	CHAPMAN ,HEATHER A	V	024	015	04/20/2004
12/30/2003	CHAPMAN ,HEATHER A	V	019	013	01/07/2004
09/11/2003	CHAPMAN ,HEATHER A	V	026	015	10/15/2003
05/08/2003	CHAPMAN ,HEATHER A	V	018	019	05/23/2003
02/13/2003	CHAPMAN ,HEATHER A	V	022	017	02/28/2003
01/09/2003	NO ATTENDING	F	ND	021	02/28/2003

Environmental Lead Inspection Information

Inspection Date: **06/29/2004** Close Date: **06/30/2004**
Inspection Result: **NO LEAD PAINT FOUND/LEAD PAINT PRESENT**
Status: **CLOSED, ABATEMENT COMPLETE**
Inspection Address: **19 OCEAN AVE** Apt:
OCEAN CITY , RI 02101
Date Updated: **06/10/2009**

Inspection Date: **05/03/2004** Close Date:
Inspection Result: **LEAD PAINT HAZARD - BOTH INTERIOR AND EXTERIOR**

Immunization

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Enter KIDSNET ID:

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Child Information -09/20/2018

First Name: **SNOOPY** Middle: **B** Last: **BROWN** KIDSNET ID: **7278013**

Date Of Birth: **02/23/2010** Age: **8y 6m** Gender: **FEMALE**

KIDSNET Status: **ACTIVE** PCP: **TEST PEDIATRIC PRACTICE**

Parent/Guardian: **TIGE BROWN**

Date of birth: **01/01/1970**

School Requirements: **K:** **7th:** **8th:** **9th:** **12th:**
(as of 8/1/2017)

Valid Doses	1	2	3	4	5	NEXT DUE
Hepatitis B 3 valid doses	04/21/2010 DTaP-HepB-IPV 1m 29d	07/01/2010 DTaP-HepB-IPV 4m 8d	11/23/2010 DTaP-HepB-IPV 9m 0d			End of Series Reached
DTaP 3 valid doses	04/21/2010 DTaP-HepB-IPV 1m 29d	07/01/2010 DTaP-HepB-IPV 4m 8d	11/23/2010 DTaP-HepB-IPV 9m 0d			See Tdap Below
Pneumo 4 valid doses	04/21/2010 Pevnar 7 1m 29d	07/01/2010 Pevnar 13 4m 8d	10/20/2010 Pevnar 13 7m 27d	02/28/2011 Pevnar 13 12m 5d		Childhood Series Complete
Polio 3 valid doses	04 DT IPV 1m 29d	IPV 4m 8d	11/23/2010 DTaP-HepB-IPV 9m 0d			Past Due Dose 4
Hib 2 valid doses	04/21/2010 Pedvax HIB 1m 29d	07/01/2010 Pedvax HIB 4m 8d	10/20/2010 Pedvax HIB 7m 27d [1]			End of Series Reached
Rotavirus 3 valid doses	04/21/2010 Rotateq 1m 29d	07/01/2010 Rotateq 4m 8d	09/21/2010 Rotateq 6m 29d			End of Series Reached
MMR 2 valid doses	02/28/2011 MMR 12m 5d	05/05/2013 MMR 3y 2m				End of Series Reached

Child Outreach Screening

Name: **SALLY T. BROWN**

KIDSNET ID: **7519544**

Date of Birth: **08/10/2013**

Age: **5y 1m**

Gender: **MALE**

KIDSNET Status: **ACTIVE**

PCP: **TEST PEDIATRIC PRACTICE**

Parent/Guardian: **MRS BROWN**

Date of Birth: **01/01/1970**

Child Outreach Screening Packages

Year to K	School Year	Package Status	Submit Date:
K - 1	2017 — 2018	Archived - Submitted	09/27/2017

Overview

Demographics

Vision

Hearing

Speech/Language

General Development

Social/Emotional Development

Screening Outcome

Special Ed. Referral Follow-Up

Year to K

School Year

Date Sub

K - 1

2017 - 2018

09/27/20

K - 1 Domain Status

Domain	No. of Screenings	Domain Status
Vision	1	Refer to PCP Indicated
Hearing	1	Pass
Speech / Language	1	Screening Necessary but Incomplete
General Development	1	Pass
Social / Emotional	1	Pass

Reports



*** KIDSNET can be used to look at subpopulations of children (e.g. children in your practice ages 0-3)

- *** Newborn summary
- *** Children overdue for lead screening
- *** Children overdue for immunizations
- *** Pre-filled school health form
- *** Missing newborn screening
- *** Newborn Hearing Follow-up needed

Practice Reports

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Seasonal Reports

[Seasonal Influenza - Children Due For Shot #1 Report](#)

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PRACTICE Reports - Lead Screening

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A list of patients in your practice.

Reports children without a lead screening

(Report limited to children less than 6 years of age.)

Turning 15 months in

Or...

From 15 months Up To 36 months

Or...

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

To: / / / (mm/dd/yyyy)

Or...

Age From: months

Up To: months

For example: FROM 5 months UP TO 7 months includes all children 5 and 6 months of age.

For more information or to provide feedback [eMail KIDSNET](#)



HEALTH

Rhode Island Department of Health



Practice Reports - Lead Screening

Report Criteria: **Monday, May 16, 2005 11:17:33 AM**

Provider Id: **9999**

Practice: **DEMO PEDIATRICS**

Patients 15 - 36 months

LEAD SCREENING REPORT - CHILDREN WITHOUT LEAD SCENING

Child Name	Date Of Birth	KIDSNET Id	Not a Patient	
			Transferred	Moved Out of State
SANDY N BOTTOMS	01/09/2003	251592		
AMANDA JONES	05/07/2003	272925		
ALEX LETTY	02/08/2004	272926		
JOHN SMITH	01/01/2004	272924		



Practice Reports - Immunizations Submitted to KIDSNET By Other Providers

Report Criteria: **Thursday, September 20, 2018 02:46:22 PM**

Provider Id: **34567**

Practice: **TEST PEDIATRIC PRACTICE**

Created in KIDSNET From Date: **01/01/2018** To Date: **09/20/2018**

Report limited to children less than 19 years of age

The report is based on when the data was added to KIDSNET, but lists the date of vaccine administration.

IMMUNIZATIONS SUBMITTED TO KIDSNET BY OTHER PROVIDERS

** This Person lives outside of RI, contact KIDSNET if this is incorrect.

Child Name	Date Of Birth	KIDSNET Id	CPT-Short Name	Date of Admin
1. SNOOP N KITTY	11/11/2013	7412991	166-FLU ID QUAD	01/01/2018
	-	-	03-MMR	02/02/2018

Report Run: **Thursday, September 20, 2018 02:46:22 PM**

Questions?



Newborn Developmental Risk Screening



☆☆ IDEA (Individuals with Disabilities Act) “Child Find” requirement for states to seek out children at risk for developmental challenges and intervene early

☆☆ The Rhode Island system is:

- 1) Developmental risk assessment followed by family visits
- 2) Screening of actual development, resources, supports and home environment
- 3) Referral to Early Intervention /other community resources

Who receives a developmental risk assessment?



- 👨👩👧 All infants born in Rhode Island maternity hospitals
- 👨👩👧 Infants transferred to RI maternity hospitals if family resides in RI



What data are collected?

- *** Demographic information used in communication, reporting, data analysis
- *** Language spoken in the home for written and oral communication with families
- *** Insurance status
- *** Prenatal care information





What data are collected? Cont'd.

- ☆☆☆ Newborn immunizations and hepatitis B status for tracking and follow-up
- ☆☆☆ Alternate contact information to reach families in emergencies such as life threatening conditions identified through newborn screening
- ☆☆☆ Community primary care provider for follow-up and care coordination
- ☆☆☆ Breast feeding data
- ☆☆☆ Known developmental risk factors

Developmental Risk Factors



- **Child Characteristics**

- APGAR Score
- Gestational age
- Growth parameters
- Hearing screen
- HEP B risk
- Intensive care

- **Parental Characteristics**

- DCYF
- Chronic illness
- Developmental disabilities
- Mental health history
- Inadequate prenatal care
- Substance use

- **Parental Demographics**

- Caregiver's education
- Caregiver's marital status
- Maternal age
- # children living in home

- **Established Conditions**

- Chromosomal anomalies
- Developmental disability
- Genetic disorder
- Inborn error in metabolism
- Infectious disease
- Sensory disorder
- Toxic exposure

Where do the data come from?



☆☆ Delivery sheet

☆☆ Birth certificate worksheet

☆☆ Hospital data systems

☆☆ Hospital staff

☆☆ Child's medical record if indicated





How are the data used?

- ☆☆☆ Referral to Family Visiting
- ☆☆☆ Assurance, tracking and follow-up for newborn blood spot, hearing and hepatitis
- ☆☆☆ Policy development for newborn and early childhood programs
- ☆☆☆ Analyzing key maternal and child health indicators and trends
- ☆☆☆ Opens records in KIDSNET to assure and promote public health preventive services throughout childhood

Statewide Newborn Developmental Screening Data



Year	Total DOB 2012 - 2017	Known Established Conditions	Mother Education < 11th grade	Mother not married	NICU > 48 hrs	No previous live births	One or more parental characteristic	Inade- quate Prenatal Care	Mother's previous live births > 5	Birth Weight < 1500 gm
2012	10474	204	1365	4959	705	4649	3659	1405	41	170
2013	10321	230	1141	4749	663	4389	3608	1396	53	143
2014	10301	242	1179	4802	713	4361	3743	1952	54	144
2015	10397	221	1177	4390	711	4397	3409	674	63	141
2016	10241	199	1147	4582	687	4127	3676	987	48	147
2017	10073	220	1190	4412	718	4187	3570	927	48	150
Total	61807	1316	7199	27894	4197	26110	21665	7341	307	895
Average	10301	219	1200	4649	700	4352	3611	1224	51	149

Data Source: RI Department of Health, Center for Health Data and Analysis, KIDSNET

Questions?



PCMH Practice Report



- ☆☆ Total Number of Patients DOB 2012 – 2017
- ☆☆ Known Established Conditions (eligible for Early Intervention)
- ☆☆ Mother Education < 11th grade
- ☆☆ Mother not married
- ☆☆ NICU > 48 hours
- ☆☆ No previous live births (first time parent)
- ☆☆ One or more parent characteristic (e.g. history of mental illness)
- ☆☆ Inadequate Prenatal Care
- ☆☆ Mother's previous live births greater than 5
- ☆☆ Birth Weight Less than 1500 grams

Sample Practice Profile Report

	Year of Birth					
	2012	2013	2014	2015	2016	NOTES
Total # patients	444	439	442	476	493	PCP indicator = Y
Birth Weight < 1500 grams	11	6	7	6	6	
NICU > 48 hours	36	41	44	34	37	
Eligible for newborn referral to EI	14	9	16	13	17	Child Characteristic = Y under Known Established Condition
Mother not married	361	339	342	334	376	
Mother Education < 11th grade	123	104	118	124	119	
Inadequate prenatal Care	102	107	144	46	79	< 6 prenatal care visits before 36 weeks or, total number of prenatal visits < 10 or, No prenatal care visits before 5 months
Mother's previous live births greater than 5	2	7	4	6	6	
No previous live births (first time parent)	166	183	147	166	149	
One or more parent characteristic (e.g. chronic illness)	187	188	202	198	237	Y (Mother or Father) under Developmental Disability, Substance Abuse, Mental Health Inpatient/outpatient, DCYF Services or Other

Questions?



Care Coordination Opportunities



- ☆☆ Identify previous primary care providers
- ☆☆ Run reports
- ☆☆ Identify community programs serving family and child
 - ☆☆ Family Visiting
 - ☆☆ Early Intervention
 - ☆☆ WIC
 - ☆☆ Child Outreach
 - ☆☆ Cedar
 - ☆☆ Head Start

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Case Studies



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