





Use of KIDSNET/RICAIR to Improve Preventive Health Services

April 11, 2024

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 includes information about:



*** Demographics

*** Immunizations

*** Newborn Developmental Risk

*** Newborn Bloodspot Screening

*** Newborn Hearing Assessment

*** Childhood Lead Poisoning

*** Vital Records

*** Child Outreach (RIDE)

*** WIC

*** Early Intervention (EOHHS)

*** Family Home Visiting

*** Birth Defects

*** Cedar (Medicaid care coordination)

*** Asthma

*** Early Childhood
Developmental Screening

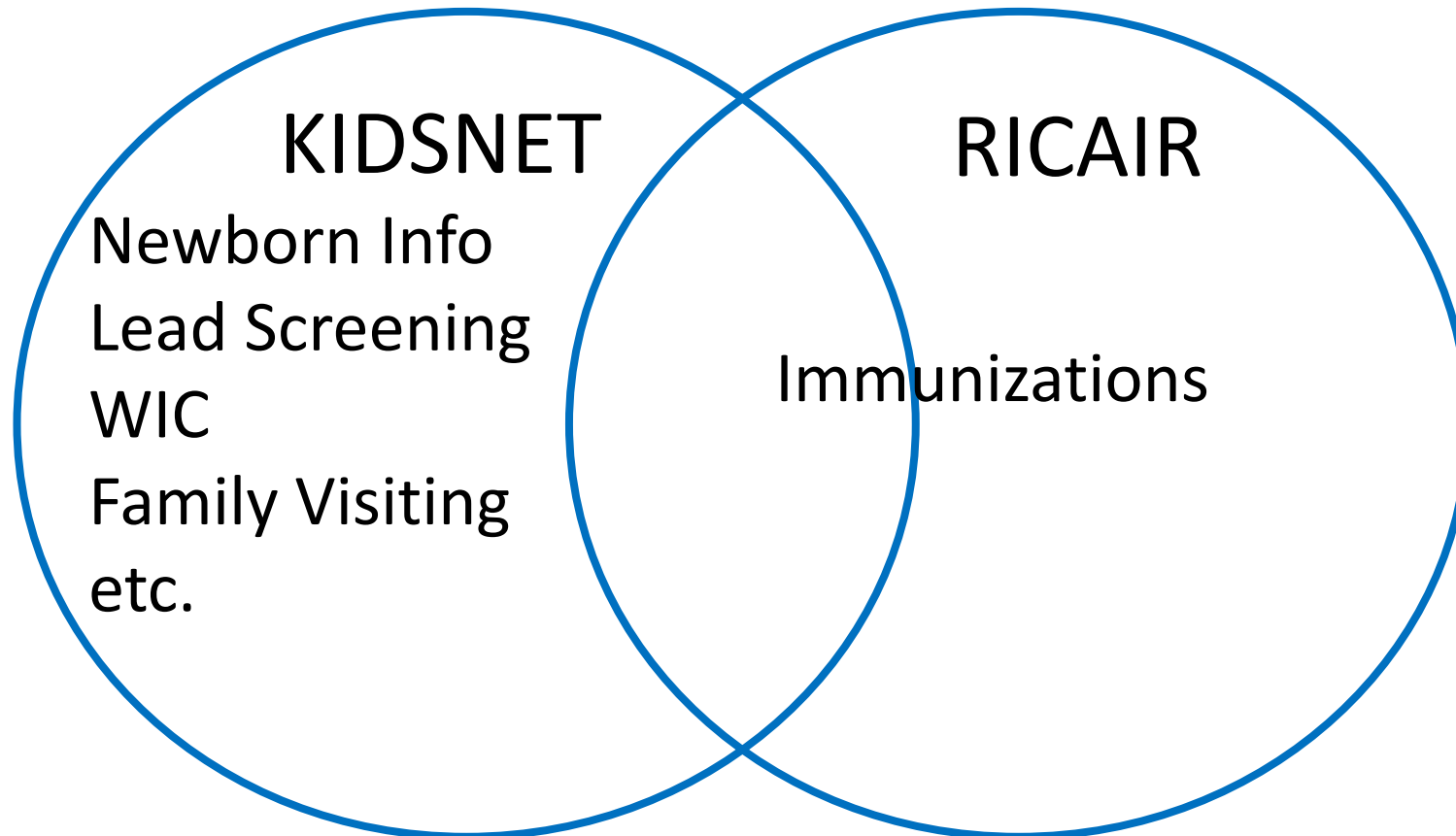
*** Foster Care (DCYF)

*** Head Start (DHS)

Rhode Island Child and Adult Immunization Registry (RICAIR)



- RICAIR is the immunization component of KIDSNET
- RICAIR includes children and adults



Rhode Island Child and Adult Immunization Registry (RICAIR)



- RICAIR data include:
 - Demographic data
 - Immunizations administered to children since 1997
 - Some Immunizations (all Covid-19) administered to adults since November 2020 (plus some historical data prior to that)
 - *Adult immunization records are mostly not complete records, not all vaccine administering practices are set up yet to send data electronically*
 - OSMOSSIS – the vaccine ordering system built into RICAIR
 - Enrollment module for the State Supplied Vaccine Program

KIDSNET /RICAIR Users – web application



Role-based access to partners who coordinate care and preventive health services:

☆☆☆ Medical Care Offices

☆☆☆ Maternal & Child Health Programs

☆☆☆ Head Start and
Childcare Agencies

☆☆☆ School nurses

☆☆☆ Child Outreach

☆☆☆ Home Visitors

☆☆☆ Certified Lead Centers

☆☆☆ Audiologists

☆☆☆ Managed Care
Organizations

☆☆☆ Early Intervention

☆☆☆ WIC

☆☆☆ Cedar Centers

KIDSNET /RICAIR – individual level



KIDSNET/RICAIR can be used to look at information for an individual patient

- May show information not in EHR that is helpful for care coordination – for example, Family Visiting
- Practices that submit immunization data using an HL7 interface may be able to do an electronic query/response if supported by their EHR
- Immunizations for adults are mostly recently administered
 - Includes those given at pharmacies and in some other states, including Massachusetts and Connecticut
 - Young adults born 1997 and later who grew up in Rhode Island are more likely to have a complete record of childhood vaccinations



Pages with no data are grayed out in left-hand menu bar



[Child Summary](#)

[Personal School Form](#)

[Lead Poisoning](#)

Early Intervention

[Immunization](#)

[IZ Data Entry](#)

[WIC](#)

[Hearing Assessment](#)

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[Family Visit](#)

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[Birth Defects Reporting](#)

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Child Outreach

First Name: **ARYA** Middle: Last: **STARK** Age: **2y 3m**
Alias: **VIOLET I ARAGORN**
FJBN L LNPF
Race: **ASIAN** Hispanic: **NO**
DOB: (hh:mm) **12/21/2021 -12:00 AM** Gender: **FEMALE**
Mother's Maiden Name: **TEST**
Hospital: **WOMEN & INFANTS** KIDSNET Status: **ACTIVE**
State of Birth: **RI**
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:
Others: **WOMEN AND INFANTS NEWBORN NURSERY**
Lead Screening: **COLLIER, EMILY C**
Identified at Birth: **DOCTOR, TEST**

Parent/Guardian Information

Parent 1: **PARENT LAST** Relationship: **MOTHER** Date of Birth: **09/01/1974**

Patient Contact Information

Home Phone: **401-555-1212** Type: **Home** Status: **Good 11/15/2023**
Parent Language: **ENGLISH**
E-mail: Status:
Most recent address:
7379 MAIN ST, Apt: 19 Status: **Good 07/31/2018**
PROVIDENCE, RI 02905
Other known addresses:
88 MAIN ST, Apt: 1R Status: **Good 11/15/2023**
PROVIDENCE, RI 02903

Lead Screening example– individual level



Blood Lead Screening Information

Test Date	Physician Name	Sample Type	EP	PbB	Date Updated
03/17/2023	COLLIER, EMILY C	V		010	11/15/2023
09/22/2022	COLLIER, EMILY C	V		011	11/15/2023

Environmental Lead Inspection Information

Inspection Date: **01/14/2023** Close Date:
Inspection Result: **LEAD PAINT HAZARD - BOTH INTERIOR AND EXTERIOR**
Status: **OPEN**
Inspection Address: **4916 MAIN ST Apt: 2**
PROVIDENCE , RI 02907
Date Updated: **11/15/2023**

Inspection Date: **10/08/2022** Close Date:
Inspection Result: **LEAD PAINT HAZARD - BOTH INTERIOR AND EXTERIOR**
Status: **UNKNOWN**
Inspection Address: **3810 MAIN ST Apt: 2**
PROVIDENCE , RI 02907
Date Updated: **11/15/2023**

Immunization example– individual level



School Requirements: K: ✓ 7th: ✗ 8th: ✗ 9th: ✗ 12th: ✗

Have Rhode Island school requirements been met? (Not in most EHRs)

VALID DOSES						NEXT DUE
COVID-19 0 valid doses						Due Now Dose 1
Influenza	10/24/2019 Flu Quad PF 6m 4d	11/23/2019 Flu Quad PF 7m 3d	10/31/2021 Flu QdPF Ped 2y 6m			Due Now (On or after 07/01/2023)
Hepatitis B 3 valid doses	04/27/2019 HepB ped/adol 0m 7d	06/23/2019 DTaP-HepB-IPV 2m 3d	08/22/2019 DTaP-HepB-IPV 4m 2d [1]	10/16/2019 DTaP-HepB-IPV 5m 26d		End of Series
DTaP/DT/Tdap/Td 5 valid doses	06/23/2019 DTaP-HepB-IPV 2m 3d	08/22/2019 DTaP-HepB-IPV 4m 2d	10/16/2019 DTaP-HepB-IPV 5m 26d	08/01/2020 DTaP 15m 12d	04/21/2023 DTAP-IPV 4y 0m	Due in the Future (04/20/2030 - 05/17/2032) Dose 6
Pneumo 4 valid doses	06/23/2019 Pevnar 13 2m 3d	08/22/2019 Pevnar 13 4m 2d	10/16/2019 Pevnar 13 5m 26d	08/01/2020 Pevnar 13 15m 12d		End of Series
Polio 4 valid doses	06/23/2019 DTaP-HepB-IPV 2m 3d	08/22/2019 DTaP-HepB-IPV 4m 2d	10/16/2019 DTaP-HepB-IPV 5m 26d	04/21/2023 DTAP-IPV 4y 0m		End of Series
Hib 3 valid doses	06/23/2019 Pedvax HIB 2m 3d	08/22/2019 Pedvax HIB 4m 2d	05/01/2020 Pedvax HIB 12m 11d			End of Series
Rotavirus 2 valid doses	06/23/2019 Rotarix 2m 3d	08/22/2019 Rotarix 4m 2d				End of Series
MMR	05/01/2020 MMR	04/21/2023 MMR/V				End of Series

Forecasting based on ACIP recommendations

Reports



*** KIDSNET can be used to run reports at a PCP practice level for children

*** Data are not complete enough for running reports for adults

Practice Reports

Practice Reporting Menu

Available Reports

1. [Patient List Report](#)
2. [Developmental Screening - Due Now Report](#)
3. [Lead Screening Report - Children Without a Lead Screening](#)
4. [Lead Screening Report - Children Due for Second Lead Screening](#)
5. [Lead Report - Children with results \$\geq 3.5\mu\text{g/dL}\$](#)
6. [School Eligible Report](#)
7. [Immunization Report](#)
8. [Newborn Hearing Screening Report](#)
9. [Newborn Summary Report](#)
10. [Immunizations Submitted to KIDSNET By Other Providers](#)
11. [Immunization Coverage Report](#)
12. [Covid Immunization Report](#)
13. [Family Visit Report](#)
14. [Preventive Healthcare Measures Report](#)
15. [Newborn Characteristics Report](#)

Seasonal Reports

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

[Seasonal Influenza - Patients Due Now or Due Soon For Shot #2 Report](#)

- ☆☆☆ Patients are assigned to a primary care practice when:
 - ☆☆☆ Indicated at birth as primary care practice
 - ☆☆☆ Unlinked after six months with no immunization reported
 - ☆☆☆ Immunization reported to KIDSNET/RICAIR by a PCP
 - ☆☆☆ Practice assigns them in KIDSNET/RICAIR

★★★ KIDSNET can be used to run reports at a primary care practice level

★★★ Many of the reports are unlikely to be available in an EHR

★★★ Immunized elsewhere

★★★ Family Visiting

★★★ Newborn Hearing Screening





★★★ Second lead screen due

★★★ Elevated lead level




★★★ School eligible

★★★ Results can be downloaded as a .csv file



Immunizations

-  Past due list
-  Immunized elsewhere
-  Seasonal (flu and Covid-19)
-  Immunization Coverage

Lead Screening

-  No screen
-  Needs second screen
-  Elevated level

Family Visiting

-  Family Visit (good for care coordination)
-  Newborn Characteristics (families with most documented challenges)

Newborn Hearing Screening Follow-up needed

Lead Screening example– practice level



PRACTICE Reports - Lead Screening

Report Criteria: **Tuesday, April 02, 2024 12:03:47 PM**

Provider Id: **87**

Practice: **TEST PEDIATRIC PRACTICE**

Patients From: **0 Months Old Up To 35 Months Old**

Report lists patients in your practice who have had an initial lead screen with a result <5 mcg/dL and who are due for a second blood lead screening. A second lead screening is recommended 12 months after the initial screening.

LEAD SCREENING REPORT - CHILDREN DUE FOR SECOND LEAD SCREENING

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

Patient Name	Date Of Birth	KIDSNET Id	Lead Test Date
1. BUZZ A ANARION	06/24/2021	8035634	03/24/2022
2. SNOOPY P ANARION	01/17/2022	8057498	11/02/2022
3. HAMM ANARION	04/03/2022	8071846	01/07/2023
4. VIOLET M ANARION	06/02/2022	8072696	03/02/2023
5. WOODY ANARION	05/08/2021	8083457	08/28/2022
6. WOODY O ARAGORN	06/07/2021	8033897	03/12/2022
7. EUDORA M ARAGORN	06/10/2021	8033945	06/20/2022
			12/10/2022

Family Visiting example– practice level



PRACTICE Reports-Family Visiting

[Download Report \(CSV\)](#)

Report Criteria: **Tuesday, April 02, 2024 02:54:01 PM**

Provider Id: **87**

Practice: **TEST PEDIATRIC PRACTICE**

Age from: **0** Months Age Up to: **36** Months (3 years)

Family Visitors can assist families with challenges to getting preventive healthcare or other care coordination needs.

Family Visit Report

KIDNET Id	Patient Name	DOB	Latest Visit	Program	Family Visitor Name	Agency	Phone	Other Active Enrollments	Inactive Prior Enrollments	Active in FV
1. 8074235	GIMLI, BO	06/16/2022	08/10/2023	Parents As Teachers	Melissa Richmond	Blackstone Valley Community Action Program	401-723-4520			Y
2. 8048532	TREEBEARD, SID	10/10/2021	08/05/2023	Parents As Teachers	Melissa Richmond	Blackstone Valley Community Action Program	401-723-4520			Y
3. 8113947	ARAGORN, SCHROEDER	03/31/2023	08/04/2023	Healthy Families America	Sherly Frederique	Community Care Alliance	401-766-0900			Y
4. 8105594	BALROG, SNOOPY	02/17/2023	06/23/2023	Healthy Families America	Sherly Frederique	Community Care Alliance	401-766-0900			Y
5. 8041709	BOROMIR, WOODSTOCK	08/17/2021	08/14/2023	Healthy Families America	Anna Bouhalhoul	Community Care Alliance	401-766-0900			Y
6. 8051009	FARAMIR, SID	01/13/2022	07/06/2023	Healthy Families America	Jeiza Munoz	Community Care Alliance	401-766-0900			Y
7. 8119308	FREDEGAR, REX	06/16/2023	08/27/2023	Healthy Families America	Anna Bouhalhoul	Community Care Alliance	401-766-0900			Y
8. 8056017	FRODO BAGGINS, WOODY	01/01/2022	07/20/2023	Healthy Families America	Anna Bouhalhoul	Community Care Alliance	401-766-0900			Y
9. 8115576	GALADRIEL, BO	04/24/2023	08/18/2023	Healthy Families America	Anna Bouhalhoul	Community Care Alliance	401-766-0900			Y
10. 8114786	GALADRIEL, EUDORA	04/14/2023	07/29/2023	Healthy Families America	Tamara Castonguay	Community Care Alliance	401-766-0900			Y
11. 8089153	GANDALF, LENNY	10/24/2022	07/28/2023	Healthy Families America	Sherly Frederique	Community Care Alliance	401-766-0900			Y
12. 8072514	GANDALF, REX	10/09/2022	08/12/2023	Healthy Families America	Sherly Frederique	Community Care Alliance	401-766-0900			Y
13. 8116823	GIMLI, BUZZ	05/10/2023	08/03/2023	Healthy Families America	Sherly Frederique	Community Care Alliance	401-766-0900			Y

For more information or training:



✳️✳️ To set up web access to KIDSNET/RICAIR
or to request training contact
RIDOH.RICAIR@health.ri.gov

✳️✳️ To set up an HL7 interface to submit administered
immunizations to RICAIR electronically contact
RIDOH.RICAIRONboarding@health.ri.gov

Questions?





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