





# Use of IIS to Support Medicaid Incentive Program

**May 7, 2024**

# Some Background on 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

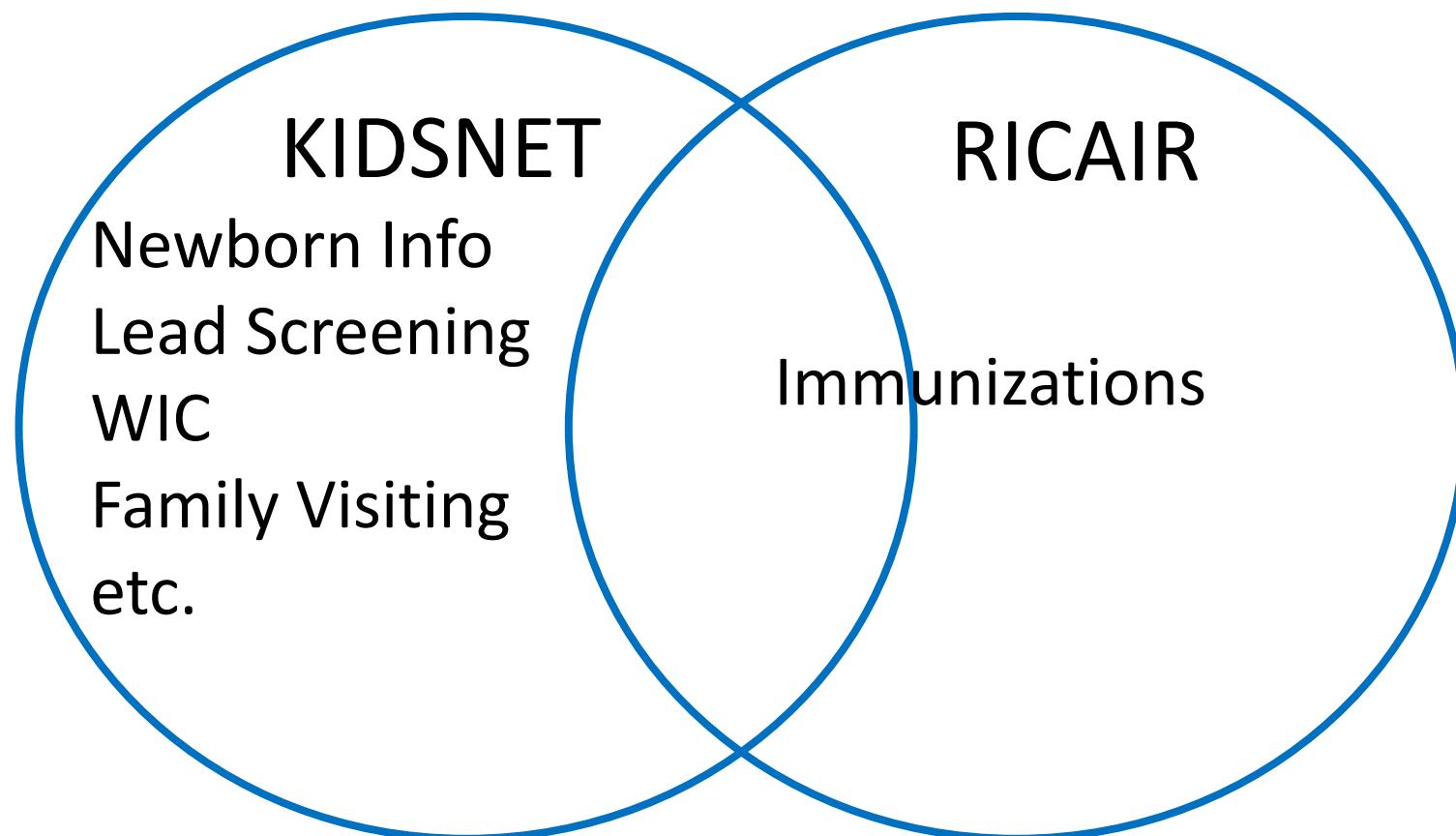
★★ Foster Care (DCYF)

★★ Head Start (DHS)

# Rhode Island Child and Adult Immunization Registry (RICAIR) is part of KIDSNET



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



# KIDSNET Patient Lists



- 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 self assigns them in KIDSNET/RICAIR
- Patient lists allow us to provide practice level reports



# Pandemic associated decline in vaccination

Decline in routine immunization

Primary care stressed and losing income

Year	# shots administered to children (birth through age 18), Total as proportion of 2019 excluding flu and Covid	
2019	330,369	100%
2020	282,789	85.6%
2021	289,987	87.8%



# Rhode Island Medicaid Pediatric Healthcare Recovery Program

- American Rescue Plan (ARPA) federal funding, allocated in state budget
- To support primary care and improve lead screening and immunization rates
- Primary care offices eligible to apply
  - excluded health centers eligible for other Medicaid funding enhancements
  - Payments made quarterly based on meeting statewide targets or individual practice improvement targets based on all patients (not just Medicaid)
- Managed and practice facilitation by the Care Transformation Collaborative Patient Centered Medical Home Kids Program
  - KIDSNET team also provided support and monthly administrative data reports
- Several iterations and funding cycles
  - KIDSNET developed a report to support the third, and last, 12-month cycle (October 2022 – September 2023)
    - Report available to participants January 2023



# Rhode Island Medicaid Pediatric Healthcare Recovery Program Measures

Measure	Description
<b>Immunization Report: Kindergarten readiness</b>	% of patients in age range meeting Kindergarten immunization requirements
<b>Immunization Report: 7th Grade readiness</b>	% of patients in age range meeting 7 <sup>th</sup> grade immunization requirements
<b>Lead screening: One test by 24 months</b>	% of patients in age range with one lead screen by 24 months of age
<b>Lead screening: Second test by 36 months</b>	% of patients in age for lead measure with 2 lead screens, at least 1 year apart, by 36 months of age



# Using Existing KIDSNET Reports for Medicaid Incentive Program was Labor Intensive

- Existing KIDSNET reports were based on ACIP Immunization Guidelines, not Rhode Island school requirements
- Past due report for K and 7<sup>th</sup> grade age ranges was a good starting point but did not include all who hadn't met school requirements
- Could run a patient list report
  - Filter by incentive program age range
  - Remove anyone no longer in practice (easy boost to % immunized!)
  - Look up one by one to see if they had met school requirements

School Requirements:

K: ✓

7th: ✓

8th: ✗

9th: ✗

12th: ✗

# Immunization page – individual level



School Requirements:					
	K: ✓	7th: ✗	8th: ✗	9th: ✗	12th: ✗
VALID DOSES					NEXT DUE
<b>COVID-19</b> 0 valid doses					Due Now Dose 1
<b>Influenza</b>	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)
<b>Hepatitis B</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
<b>DTaP/DT/TdaP/Td</b> 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	Due in the Future (04/20/2030 - 05/17/2032) Dose 6
<b>Pneumo</b> 4 valid doses	06/23/2019 Prevnar 13 2m 3d	08/22/2019 Prevnar 13 4m 2d	10/16/2019 Prevnar 13 5m 26d	08/01/2020 Prevnar 13 15m 12d	End of Series
<b>Polio</b> 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
<b>Hib</b> 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
<b>Rotavirus</b> 2 valid doses	06/23/2019 Rotarix 2m 3d	08/22/2019 Rotarix 4m 2d			End of Series
<b>MMR</b>	05/01/2020 MMR	04/21/2023 MMR/V			End of Series

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

Forecasting based on ACIP recommendations

# New Report added in January 2023

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

## 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}/\text{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](#)



# KIDSNET Preventive Healthcare Measures Report



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## PRACTICE Reports-Preventive Healthcare Measures Summary

**Generate Report**

*A list of patients in your practice.*

Run Report for children who meet the age criteria as of the last day of:

August 2024



Enter month  
next quarterly  
incentive  
payment will  
be based on



# KIDSNET Preventive Healthcare Measures Report



## PRACTICE Reports-Preventive Healthcare Measures Summary

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

Report Criteria: Friday, April 19, 2024 01:55:20 PM

Provider Id: 87

Practice: TEST PEDIATRIC PRACTICE

Age Criteria as of the last day of: March 2024

Click on  
number to  
get a list of  
children

### Preventive Healthcare Measures Summary Report

Measure	Number of Patients	Met Measure	Percent Met	Not Met	Percent Not Met
K Immunization requirement	348	245	70.4%	<u>103</u>	29.6%
Grade 7 Immunization requirement	371	180	48.5%	<u>191</u>	51.5%
2 or more COVID-19 doses, age 5-11	2,355	0	0.0%	<u>2,355</u>	100.0%
2 or more COVID-19 doses, age 12-17	1,857	1	0.1%	<u>1,856</u>	99.9%
At least 1 lead screen	343	277	80.8%	<u>66</u>	19.2%
At least 2 lead screens	307	174	56.7%	<u>133</u>	43.3%



# KIDSNET Preventive Healthcare Measures Report

**KIDSNET**

## PRACTICE Reports-Preventive Healthcare Measures Detail

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

Report Criteria: **Friday, April 19, 2024 01:56:58 PM**

Provider Id: **87**

Practice: **TEST PEDIATRIC PRACTICE**

Measure Name: **K Immunization requirement - Children who have not met the measure**

Age Criteria as of the last day of: **March 2024**

DOB Range: **04/01/2018 - 03/31/2019**

[\*\*<< Back to Summary Report\*\*](#)

### Preventive Healthcare Measures Detail Report

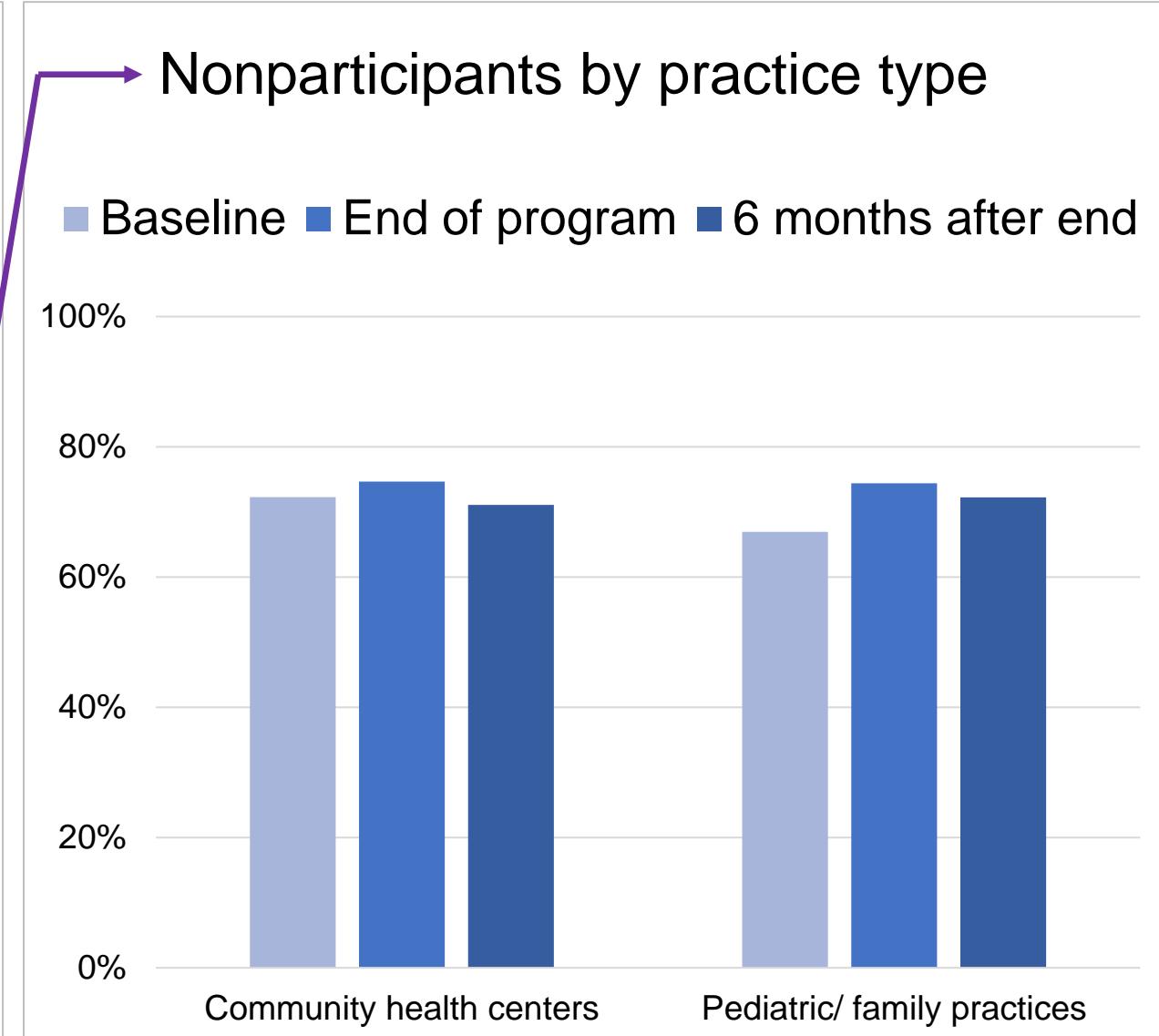
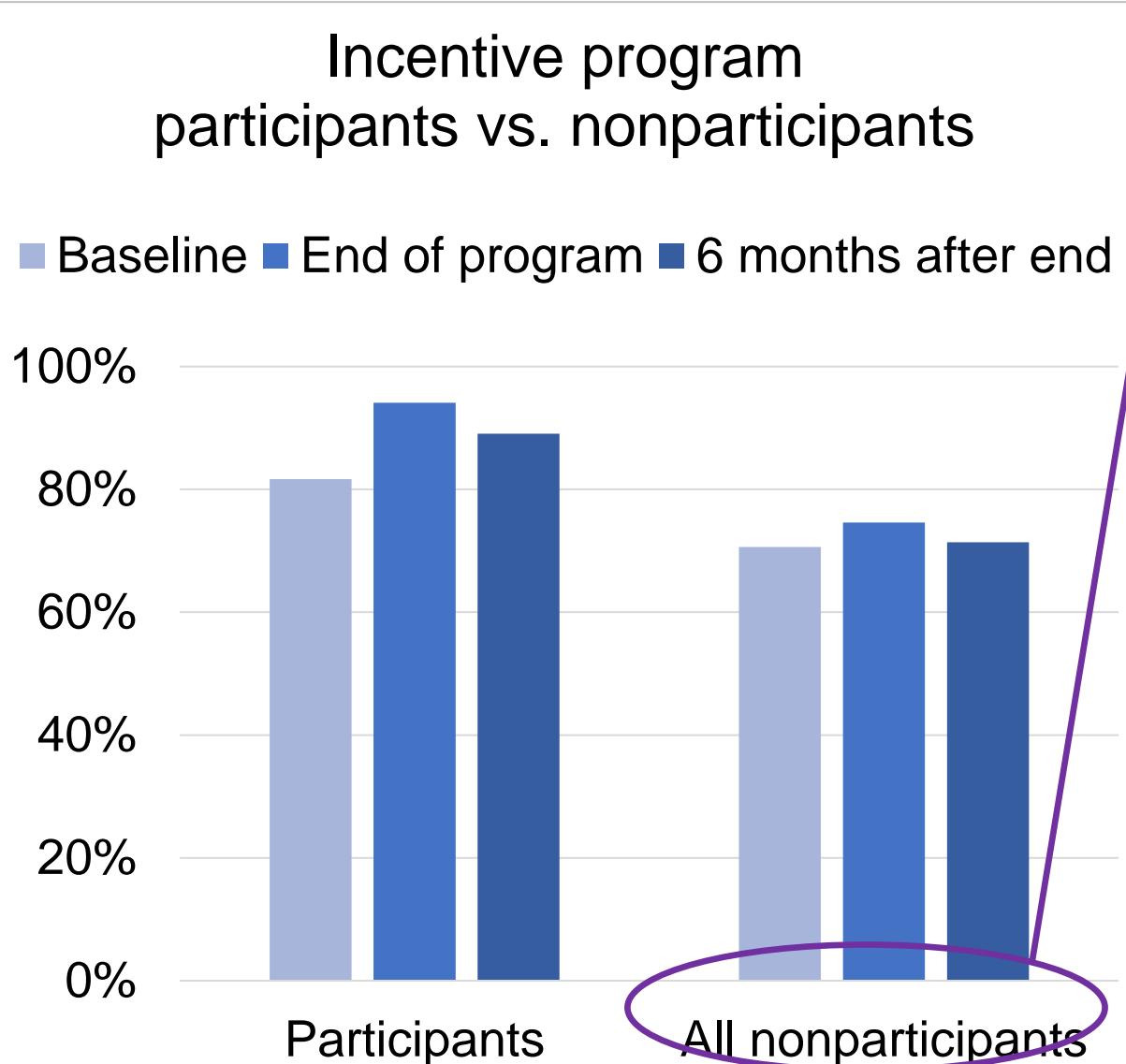
**Note:** An asterisk (\*) in the "Not Met" column means that at least one administered dose in that vaccine group was considered invalid and did not count towards series completion.

Click on download to get a list of children on an Excel spreadsheet

Asterisk by invalid doses!

KIDSNET Id	Last Name	First Name	DOB	Not Met
1. 7727849	ANARION	PATTY	06/03/2018	MMR VZV
2. 8024877	ARAGORN	BO	12/18/2018	MMR Polio VZV DTaP
3. 8068652	ARAGORN	EUDORA	02/17/2019	Polio MMR VZV DTaP
4. 7813525	ARAGORN	FRANKLIN	01/04/2019	Polio MMR VZV DTaP
5. 8123689	ARAGORN	MARCIE	06/18/2018	VZV DTaP HepB MMR Polio
6. 8071812	ARAGORN	PEPPERMINT	11/03/2018	Polio MMR VZV DTaP HepB
7. 7725256	ARAGORN	WOODSTOCK	05/18/2018	Polio MMR VZV DTaP
8. 7793481	ARWEN	WOODSTOCK	01/31/2019	Polio MMR VZV DTaP
9. 7801791	ARWEN	WOODY	04/10/2018	Polio* MMR* VZV DTaP

# Did Immunization Rates Improve? Kindergarten Immunization Requirements Met



# Did Immunization Rates Improve?

## Kindergarten Immunization Requirements Met



Note: results were similar for 7 <sup>th</sup> grade immunization requirements and lead screening.	Participants	Nonparticipants			Pediatricians / Family practices
		All	Community Health Centers		
Number at baseline	7594	4035	2771		1264
Median denominator at baseline	89.5	11.5	60.5		5
% met at baseline	81.7%	70.6%	72.3%		66.9%
% of baseline at end of program	<b>115.3%</b>	<b>105.6%</b>	103.3%		111.2%
% of baseline 6 months later	<b>109.2%</b>	<b>101.1%</b>	98.3%		108.0%
Change in denominator	97.7%	94.6%	98.9%		85.2%
% on Medicaid, ages 0-6	41.6%	74.0%	86.5%		33.2%
Number of practices	56	92	30		62



# Future Uses for Report

- Identify children not yet meeting kindergarten and 7th grade entry requirements for the next school year
  - Allows practice to outreach early and schedule vaccination and/or well-child visit appointments to prevent last minute rush
- Other continuous quality improvement projects the practice may wish to implement such as for Joint Commission accreditation
- Preparation for Immunization Quality Improvement for Providers (IQIP) visits

# Questions?





Ellen Amore  
KIDSNET/RICAIR Manager  
Deputy Chief, Center for Health Data and Analysis  
[ellen.amore@health.ri.gov](mailto:ellen.amore@health.ri.gov)

Janet Limoges  
KIDSNET/RICAIR Provider Relations Manager  
[Janet.limoges@health.ri.gov](mailto:Janet.limoges@health.ri.gov)