



**Indiana**  
**Department**  
**of**  
**Health**

# DATA HEALTH REPORT

2026 AIRA CONFERENCE

**TAMARA JOHNSON**

DATA AND PROGRAM EVALUATION DIRECTOR

April 28-30

OUR MISSION:

**To promote, protect, and improve  
the health and safety of all Hoosiers.**

OUR VISION:

**Every Hoosier reaches optimal health  
regardless of where they live, learn,  
work, or play.**



# Objectives

- Project goals
- Partnerships
- Timelines
- Previous templates
- HTML assessment
- Methodology
- Lessons learned
- Conclusions



# Project Goals

---

- Establish data-driven benchmarks to measure and improve performance vaccination rates at the provider, county and state levels
- Enhance data quality by improving demographic accuracy, expanding analytics and increasing engagement with IIS
- Empower and equip providers with user-friendly tools, training and resources for continuous quality improvement and higher vaccination coverage

# Power of Partnerships

---

- Identify the right people
- Maintain a strategic mindset
- Build and sustain trust
- Consider all perspectives
- Communicate with transparency
- Engage early in the process
- Anticipate challenges
- Support and influence success
- Strive for win-win outcomes



# Timeline

---

## 2022-23 planning

- Formed Steering Committee (LHD, FQHS, HS)
- Collaborated on key antigens & metrics
- Developed pilot template for data points

## 2023-24 enhancement

- Incorporated stakeholder feedback from PDF to HTML
- Expanded benchmarking to include data quality metrics
- Enhanced improvement through support for provider engagement

## 2024-25 improvement

- Integrated data elements (doses administered and historical data)
- Enhanced provider support (embedded resources and FAQ)
- Improved communication and accessibility

# VFC Influenza Data

- Used 2021 COVID-19 funds to develop influenza report cards
- Pulled data from Indiana's IIS – Children's Hoosier Immunization Registry Program (CHIRP)
- Distributed Assessments to 763 VFC providers
- Followed previous school assessment format
- Required a lengthy (FAQ) document
- Format was difficult to read

**VFC Provider Influenza Vaccination Coverage Report Card**

**DECATUR FAMILY MEDICINE**  
ADAMS COUNTY

This report card represents the seasonal influenza vaccination coverage rates for Indiana VFC providers for the 2019-20 influenza season. Children ages 6 months to 18 years of age are included in this report card. The aim of this report card is to provide a summary of influenza coverage rates within your practice, as well as statewide, to serve as a baseline for seasonal influenza vaccination efforts and provide data for planning to increase coverage rates. Indiana VFC providers play an especially important role in administering flu vaccine, because you help to ensure all children have a better chance of getting their recommended vaccinations on-time. See attached *reference guide* for details about the report card and how it was generated.

**Your office at a glance:**

- \* 41% of VFC provider offices in Indiana have higher influenza vaccination coverage rates than your office for children 6 months to 9 years old.
- \* The county where your office is located ranks 72 out of a total of 92 counties for influenza vaccination coverage for children 6 months to 9 years old.
- \* 55% of VFC provider offices in Indiana have higher influenza vaccination coverage rates than your office for adolescents 10 to 18 years old.
- \* The county where your office is located ranks 80 out of a total of 92 counties for influenza vaccination coverage for adolescents 10 to 18 years old.
- \* 95% of your children in your county should be vaccinated against influenza to achieve herd immunity and prevent the spread of influenza.

VFC Provider Office Name	Influenza Season						
	2019-2020	Total # of children 6 months - 9 years	Total # of children 10-18 years	# of children 6 months - 9 years in CHIRP that received the flu vaccine	# of children 10-18 years in CHIRP that received the flu vaccine	% received influenza vaccine, 6 months to 9 years	% received influenza vaccine, 10-18 years
ADAMS COUNTY Influenza Vaccination Coverage Rate	2019-2020	6015	6192	1300	733	22%	12%
Indiana's Influenza Vaccination Coverage Rate	2019-2020	998416	1075017	302880	201463	30%	19%

Stay up-to-date on CDC flu surveillance



# 2023-24 VFC Coverage & Data Quality Assessment

- Enhanced layout for easier navigation via HTML format
- Included additional sections like FAQ without needing additional documents
- Alignment with IQIP measures
- Delivered to 719 VFC providers

VFC\_Coverag\_M79LU3.html

Childhood Vaccines    Seven Year Old Vaccines    Influenza Vaccines

Adolescent Vaccines

Table of contents    Rectangula

- Introduction
- Coverage Rates
- Background
- Data Quality
- Background
- Metrics
- Resources
- Improving Vaccination Coverage Rates
- Improving Immunization Data Quality
- Useful Reports within CHIRP

The childhood data is based on the 4:3:1:3:3:1:4 series (4 doses of diphtheria, tetanus, and pertussis (DTaP), 3 doses of polio (IPV), 1 dose of measles, mumps, and rubella (MMR), 3 doses of Haemophilus influenzae type B (Hib), 3 doses of hepatitis B (Hep B), 1 dose of varicella (VAR) and 4 doses of pneumococcal (PCV). Each data element shows the rate calculated as the number of children in your office who have the corresponding number of valid doses for that respective antigen divided by the total number of children for that age range (e.g., 12 to 24 months).

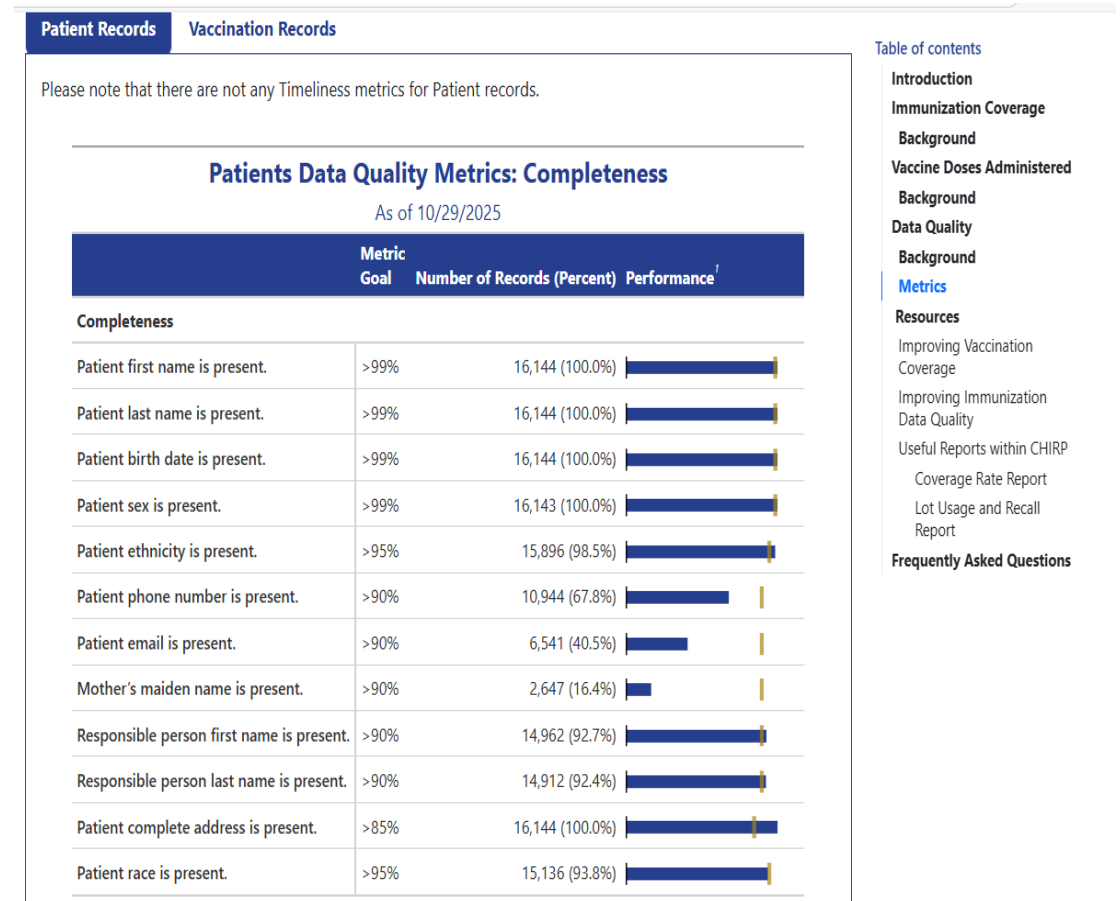
### Childhood Vaccination Rates

For All Vaccination Inventory (Including Non-VFC)

AGE / VACCINE GROUP	PROVIDER RATE	COUNTY RATE	STATE RATE	
	2023-2024	2023-2024	2023-2024	
12-24 Months	4:3:1:3:3:1:4 Series*	43.4%	34.1%	39.8%
	4 DTaP	52.4%	37.4%	43.9%
	3 Polio	81.4%	70.5%	82.2%
	1 MMR	80.1%	65.7%	75.4%
	3 HIB	81.4%	64.3%	77.0%
	3 Hepatitis B	71.0%	67.6%	81.1%
	1 Varicella	78.7%	65.4%	73.9%
	4 Pneumococcal	73.1%	58.8%	60.6%
	2 Hepatitis A	26.3%	21.9%	19.2%
	2 Rotavirus	85.1%	70.9%	79.6%
24-35 Months	4:3:1:3:3:1:4 Series*	67.8%	62.5%	65.4%
	4 DTaP	78.7%	68.0%	73.4%
	3 Polio	87.1%	77.3%	84.1%
	1 MMR	89.1%	77.2%	84.3%
	3 HIB	87.9%	76.0%	82.6%
	3 Hepatitis B	77.3%	73.4%	80.6%
	1 Varicella	88.8%	77.0%	83.7%
	4 Pneumococcal	82.5%	72.0%	77.5%
	2 Hepatitis A	77.6%	66.3%	67.3%

# 2023-24 VFC Coverage & Data Quality Assessment

- Assessed at both patient and vaccine levels
- Aligned data quality metrics with AIRA measures and assessment tests
  - Completeness
  - Validity
  - Timeliness



# Resources

- Add FAQ for standardized communication
- How to run provider rates in IIS
- Link to public dashboards
- Run reminder recall

The screenshot shows a web browser window with the address bar displaying a local file path. The page title is "Resources". On the right side, there is a "Table of contents" sidebar with the following items: Introduction, Coverage Rates, Data Quality, Resources, Improving Vaccination Coverage Rates, Improving Immunization Data Quality, and Useful Reports within CHI. The main content area contains three sections:

- Improving Vaccination Coverage Rates**  
The CDC's [Reminder Systems and Strategies for Increasing Childhood Vaccination Rates](#) website contains different strategies for improving coverage rates for your clinical site(s), if needed.
- Improving Immunization Data Quality**  
The CDC's [IIS Data Quality Blueprint](#) website contains different strategies for improving coverage rates for your clinical site(s), if needed.
- Useful Reports within CHIRP**  
There are reporting features accessible from within CHIRP, providing useful information on-demand for its users. The following are some commonly used and helpful CHIRP reports. Additional guides and resources are available on the IDOH website ([link](#)).

Under the "Useful Reports within CHIRP" section, there are three sub-sections:

- Coverage Rate Report**  
This report is used generate series completion rates as well as missed opportunity rates for immunizations of both childhood and adolescent vaccines given that will be evaluated in the Immunization Quality Improvement Plan (IQIP) quality improvement process. ([Quick Reference Guide](#))
- Lot Usage and Recall Report**  
Clinics can use this report to identify all patients who have received a vaccine with a certain lot number. This report can assist with troubleshooting inventory when you experience discrepancies between your vaccine counts and your CHIRP reconciliation page. This report can also be used to document compromised vaccines on all patient records that received recalled or compromised lots. ([Quick Reference Guide](#))
- Invalid Doses Report**

# Updated Report 2024-25-Coverage Rates

- Historical data available at provider, county, state levels
- Distributed to 720 providers
- Web portal distribution using VFC pins
- Sent to vaccine primary coordinator, vaccine back-up coordinator and medical director

## Immunization Coverage

### Background

The immunization coverage for your office is shown under the each age cohort section tab along with this year's county and state coverage. Please note this information is based on vaccinations given on or before June 30th, 2025.

Childhood Vaccines   Seven Year Old Vaccines   Influenza Vaccines   **Adolescent Vaccines**

The adolescent data is based on 1 and 2 doses meningococcal (MCV4), 2 or 3 doses of Human Papillomavirus (HPV) pending when the adolescent started the series, 1 dose of Tetanus, diphtheria, and pertussis (Tdap), and 1 and 2 doses of meningitis B (Men B). Each data element shows the percentage calculated as the number of children in your office who have the corresponding number of valid doses for that respective antigen divided by the total number of children for that age range (e.g., 11 – 12 years).

### Adolescent Vaccination Coverage

For All Vaccination Inventory (Including Non-VFC)

AGE / VACCINE GROUP	PROVIDER COVERAGE		COUNTY COVERAGE		STATE COVERAGE		
	2023-2024	2024-2025	2023-2024	2024-2025	2023-2024	2024-2025	
11-12 Years	1 MCV4	54.9%	62.5%	51.8%	61.6%	52.1%	59.4%
	1 HPV	58.9%	62.7%	42.3%	50.7%	31.3%	36.5%
	Completed HPV*	26.0%	18.9%	14.1%	10.9%	10.0%	7.5%
	1 Tdap	60.0%	53.3%	54.6%	55.7%	54.4%	54.2%

#### Table of contents

- Introduction
- Immunization Coverage
  - Background**
- Vaccine Doses Administered
  - Background
- Data Quality
  - Background
  - Metrics
- Resources
  - Improving Vaccination Coverage
  - Improving Immunization Data Quality
  - Useful Reports within CHIRP
    - Coverage Rate Report
    - Lot Usage and Recall Report
- Frequently Asked Questions

# 2024-2025 Final Report Doses Administered

## Vaccine Doses Administered

### Background

In this table, you will find the number of vaccines administered by antigen and age group. Each age group is broken down to match those listed in the vaccination coverage section above. Data is provided by service. Please note that counts are assessed based on antigen, not individual vaccine. This means that combination vaccines, such as DTaP-Hib-IPV would be counted once under "DTaP", once under "Hib", and once under "Polio". This information is based on vaccinations given on or before June 30, 2025.

[Childhood Vaccines](#)
[Seven Year Old Vaccines](#)
[Influenza Vaccines](#)
[Adolescent Vaccines](#)

### Childhood Vaccine Doses Administered

For All Vaccination Inventory (Including Non-VFC)

AGE / VACCINE GROUP		Doses Administered	
		2023-2024	2024-2025
12-24 Months	DTaP	766	918
	Polio	426	337
	MMR	844	903
	HIB	767	890
	Hepatitis B	87	136
	Varicella	832	914
	Pneumococcal	826	912
	Hepatitis A	1346	1406
24-35 Months	DTaP	160	200
	Polio	81	119
	MMR	60	54
	HIB	104	131
	Hepatitis B	54	100
	Varicella	53	77
	Pneumococcal	93	118
	Hepatitis A	336	375

Table of contents

[Introduction](#)

[Immunization Coverage](#)

[Background](#)

[Vaccine Doses Administered](#)

[Background](#)

[Data Quality](#)

[Background](#)

[Metrics](#)

[Resources](#)

[Improving Vaccination Coverage](#)

[Improving Immunization Data Quality](#)

[Useful Reports within CHIRP](#)

[Frequently Asked Questions](#)

# 2024-2025 Final Report FAQs

## Frequently Asked Questions

- ① What is the VFC Provider Coverage and Data Quality Tool? >
- ① How is this year's VFC Provider Coverage tool different from previous years? >
- ① What is the purpose of the VFC Provider Coverage and Data Quality Tool? >
- ① What are the dates that this data was generated? >
- ① Which vaccines are included in this tool? >
- ① How were ages determined for each cohort? >
- ① How is the vaccination coverage calculated? >
- ① Who is included in the VFC/County populations? >
- ① Who is included in the VFC doses administered populations? >
- ① How can I see the different age groups and associated immunizations? >
- ① What is the difference between the coverage listed in each tab? >
- ① What is the time frame for this tool? >

### Table of contents

- Introduction**
- Immunization Coverage**
  - Background
- Vaccine Doses Administered**
  - Background
- Data Quality**
  - Background
  - Metrics
- Resources**
  - Improving Vaccination Coverage
  - Improving Immunization Data Quality
  - Useful Reports within CHIRP
    - Coverage Rate Report
    - Lot Usage and Recall Report
- Frequently Asked Questions**

# 2024-25 VFC Coverage & Data Quality Report

To access report:

## [ACCESS VFC IMMUNIZATION COVERAGE FILE](#)

1. Enter your VFC PIN# M49L33  
(example)

2. Select "Download"

Please [disable](#) pop-up blocker  
on your browser

Indiana Department of Health

### ACCESS VFC IMMUNIZATION COVERAGE REPORT

Enter your facility VFC PIN number below to access the Immunization Coverage Report:

Facility VFC PIN:

Please [disable](#) pop-up blocker on your browser.

Click [here](#) for help if you are experiencing access issues.

COPYRIGHT © 2025 State of Indiana – All Rights Reserved



# Methodology



Indiana  
Department  
of  
Health

# Data Elements

---

## Grouping/Stratifying Categories

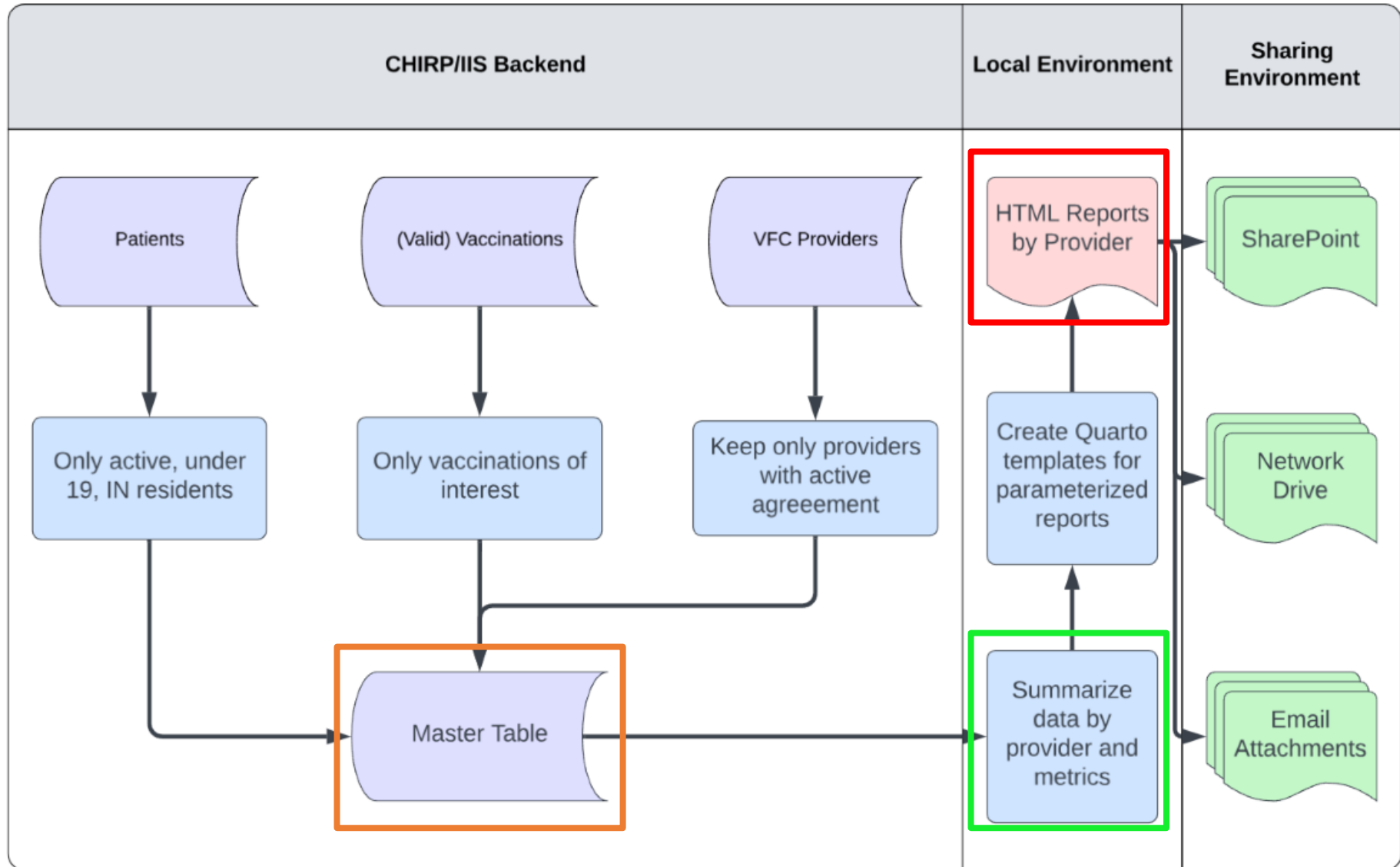
- Age Groups:
  - Childhood: 12 to 24 months and 24 to 35 months
  - 7 years
  - Adolescent: 11-12 years and 6-18 years
  - Seasonal flu-related: 12-24 months, 6 months-8 years, 9 years-18 years
- Vaccines:
  - Dose and family group specific to the age group
- Organizational Levels:
  - Statewide
  - County of Provider
  - Provider
- Trends
  - Comparisons against previous years' values.

# Design Objectives

---

- Flexible
  - Queries and scripts must allow for reasonable change requests
    - Can we see trends?
    - Can we add additional combinations of age groups, vaccinations, and/or dose numbers?
- Modern presentation
  - No PDFs
  - Information must not overwhelm when viewing
- Sustainable
  - Must be able to do this entire process at a high(er) frequency
  - Automation friendly

# Workflow Overview



# Lessons Learned

- Align with other data and/or grant metrics to cut down on the number of reports
- Involve stakeholders early and listen to their feedback
- Plan accordingly for approvals
- Utilize quality improvement contacts or champions in the organization
- Find the best way to communicate coverage and data quality with the providers



# 25-26 Improvements

- Stakeholder feedback:
  - Make it print-friendly
  - Increase frequency from annual to semiannual
  - Rebrand to Data Health Report
- Internal feedback:
  - Incorporate into VFC and IQIP visits
  - Automation using Azure and Databricks
  - Add Adult Cohort



# Conclusions

- When stakeholders clearly understand and use data, the more likely to invest in improving the data quality – ultimately supporting higher coverage rates
- Meaningful metrics drive measured improvement
- Visualizing data empowers providers to elevate performance standards and strengthen vaccination outcomes



# Acknowledgements



# Questions?

## CONTACTS:

[idoHfluvax@health.in.gov](mailto:idoHfluvax@health.in.gov)

[tamjohnson1@health.in.gov](mailto:tamjohnson1@health.in.gov)

