

# Colorado's Public Health Detailing Program

Committed to improving Colorado's Childhood MMR Immunization Rates

Savannah Destefano, BSN, RN  
CDPHE Contract Nurse/Detailer  
Division of Disease Control and Public Health Response

[Date]

[Clinic]



**COLORADO**  
Department of Public  
Health & Environment



# Welcome and introductions

Please introduce yourself: *Name, title, and clinic role*



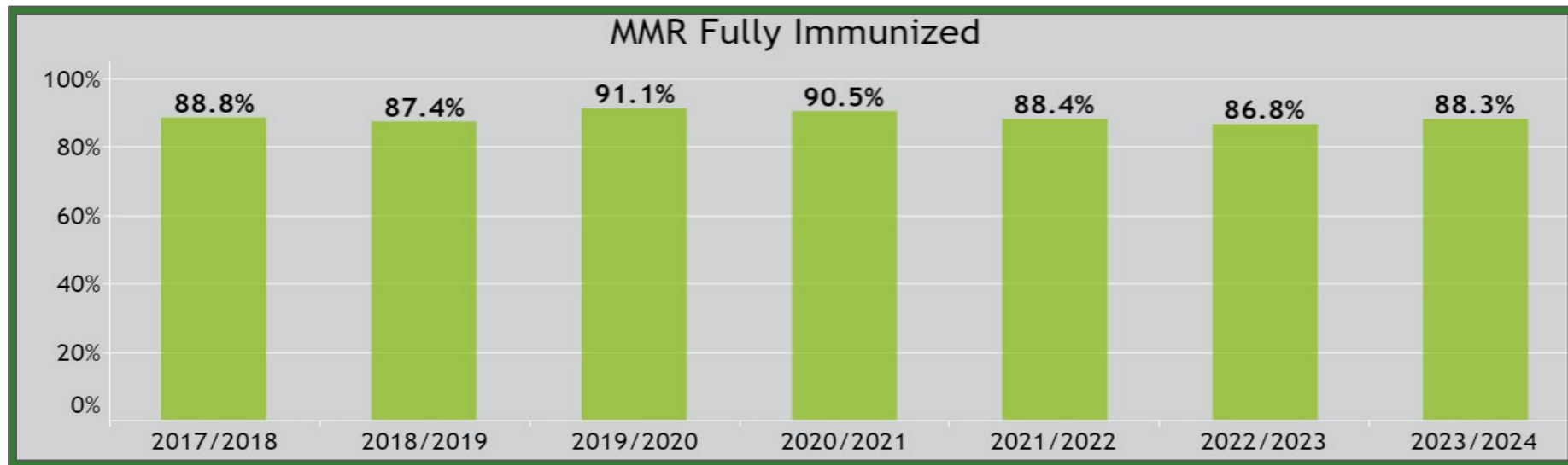
# Meeting objectives:

1. Provide background information on Colorado's Kindergarten immunization rates
2. Define public health detailing and goals of Colorado's current initiative
3. Share findings from the most recent school reported data
4. Share provider-level CIIS data
5. Provide provider-level list of kindergarten-aged patients associated with your clinic
6. Schedule follow-up meetings



# Background - Colorado kindergarten vaccination rates

- Colorado Board of Health rule requires schools and childcares to report immunization and exemption data to CDPHE annually.
- School reported data show kindergarten vaccination rates in Colorado consistently below national averages.



# Colorado's Public Health Detailing Program

**Goal: Increase the percentage of Colorado kindergarten students protected against measles, mumps, and rubella (MMR) to 95%**

- **Launched as one of many initiatives in response to declining kindergarten immunization rates in Colorado**
- **Evidence-based strategy that works directly with clinicians by conducting a series of brief visits to provide data, resources, build relationships, and enhance clinical practice**

---

Public Health Detailing is not:

- An audit or survey
- Intended to create more work for the clinician



**COLORADO**  
Department of Public  
Health & Environment

# Public Health Detailing program overview

12 month program cycle

## Visit 1

June 2024 - September 2024

- General overview of program
- Review key issues
- Review CIIS patient association and inactivation
- Discuss provider-level data and provide relevant reports

## Visit 2

October 2024 - December 2024

- Review current provider-level data
- Review clinic progress
- Discuss kindergarten readiness and best practices
- Review school immunization law and exemptions

## Visit 3

January 2025 - March 2025

- Review current provider-level data
- Review clinic progress
- Discuss CIIS best practices
- Discuss strategies to optimize CIIS functionality

## Visit 4

April 2025 - June 2025

- Share final provider-level data
- Share school-reported data, including provider's local county and school district data
- Provide additional resources



# Kindergarten immunizations



**Colorado Code of Colorado Regulations, 6 CCR 1009-2**  
Colorado law requires all students attending Colorado schools and licensed child cares to be vaccinated against certain diseases.

Prior to kindergarten entry, students between the ages of 4 through 6 years are required to receive their final doses of:

MMR

DTaP

IPV

Varicella

- [6 CCR 1009-2, § II \(C\)](#)





# Review of compliance with Colorado law

There are three ways a student can be in compliance with Colorado School immunization law

## Fully Immunized

Received all school-required vaccines and has a completed Certificate of Immunization on file

## Valid Exemption on File

- 1. Certificate of Medical Exemption**  
Students who have a [medical contraindication](#) that prevents them from receiving certain school-required vaccines.
- 1. Certificate of Non- Medical Exemption**  
May be provided by parents/guardians who are submitting an exemption to one or more school-required vaccines for nonmedical reasons.

## In-Process

- 1. Is attending school and is in the process of getting immunizations up-to-date**
- 2. Has been personally notified that the student's Certificate of Immunization is not up-to-date**





---

# National and state-level data

---

## National-level data source: CDC's SchoolVaxView dashboard

- Data reported annually by States to the CDC
  - state-level school reported data
- Kindergarten immunizations, exemptions, and in-process



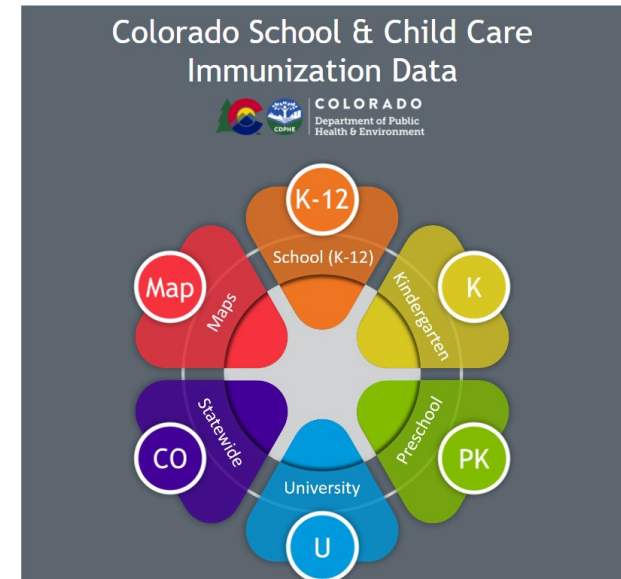
- 
- [National Immunization Data](#)



# Data Sources

## State-level data source: Colorado's annual school and child care reported data dashboard

- [Colorado Board of Health rule](#) requires most schools and licensed child cares to report aggregate immunization and exemption data to Colorado Department of Public Health and Environment (CDPHE) annually.
- Entities that must **report** immunization and exemption information to CDPHE by January 15 of each year:
  - Non-exempt child care providers licensed by CDPHE to provide care to ten or more children
  - Public, private, or parochial schools (kindergarten through grade 12)

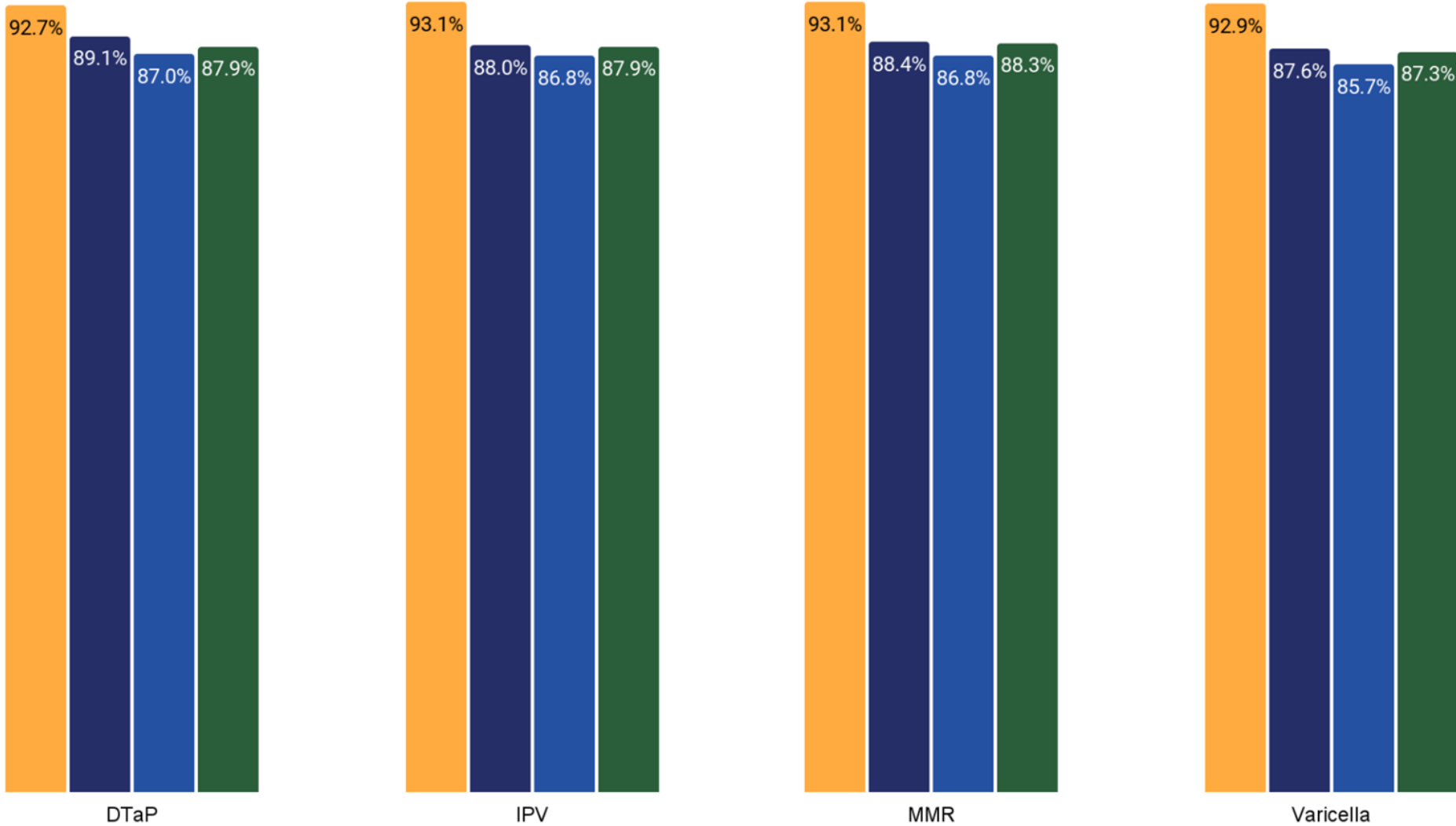


- [Colorado School & Child Care Immunization Data](#)
- [Colorado Code of Regulations, 6 CCR 1009-2. § VII \(A\)](#)

# Colorado School & Child Care Immunization Data

Students Fully Immunized Upon Entering Kindergarten

2022-2023 National 2021-2022 Colorado 2022-2023 Colorado 2023-2024 Colorado

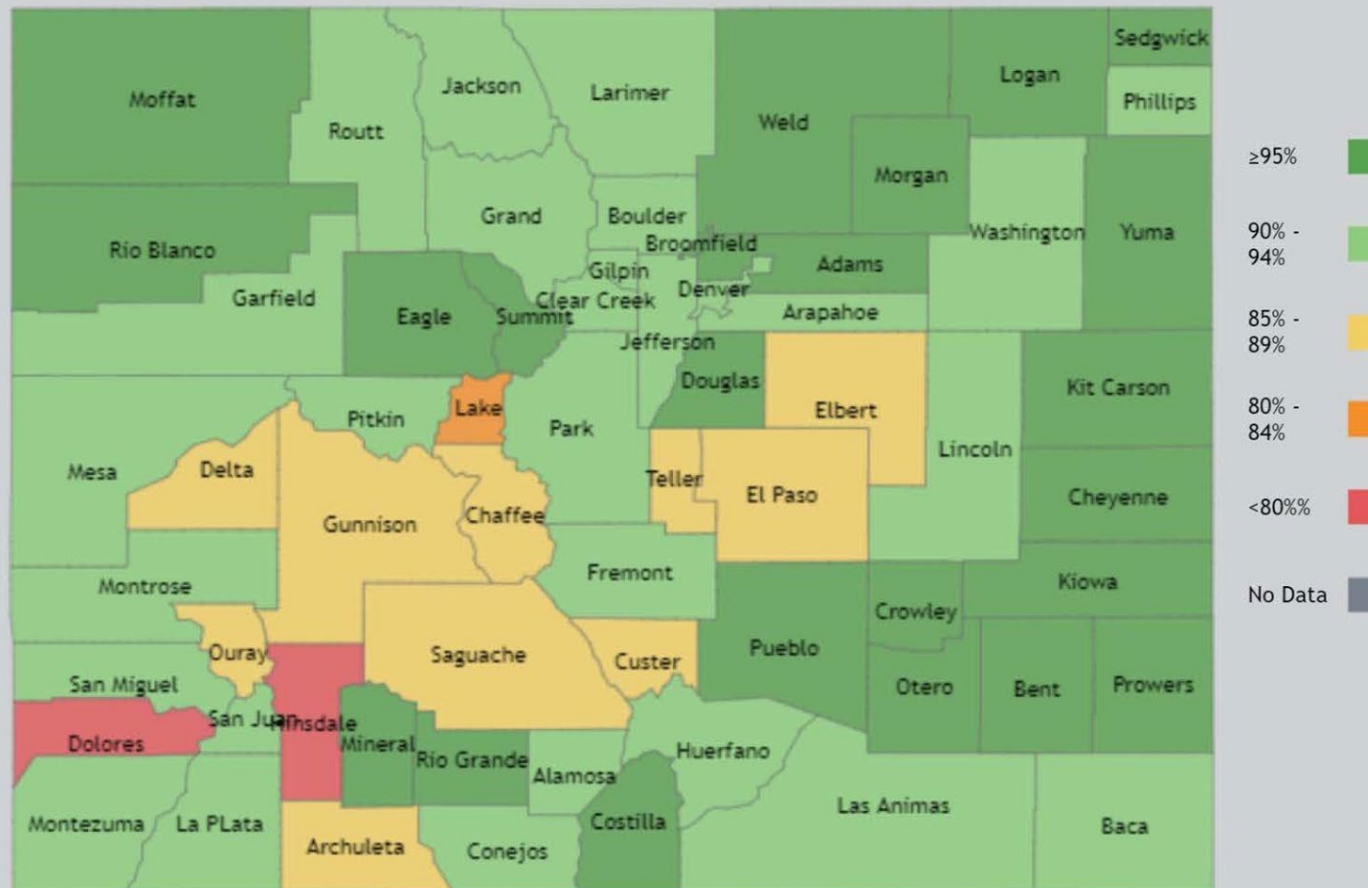




# 2023-2024 Colorado school-reported data by county

## School Immunization Data Maps

2023/2024 County Fully Immunized MMR School (K-12) Immunization Data



---

# Provider/clinic-level data

---

# Data sources: provider-level data

## Provider-level data source: clinic/provider's current CIIS patient population

- Current patient population = patients who are actively associated with the provider in CIIS (the provider is listed as their default clinic)
- Providers can identify patients actively associated with their clinic by utilizing the [Patient Roster report](#)



- 
- [Colorado Immunization Information System \(CIIS\)](#)



# CIIS clinic population/patient association

## Initial association

1. Patient receives one or more vaccines at your clinic
2. Vaccine information is entered into CIIS
3. Patient's CIIS association is automatically updated to your clinic

## Association removed

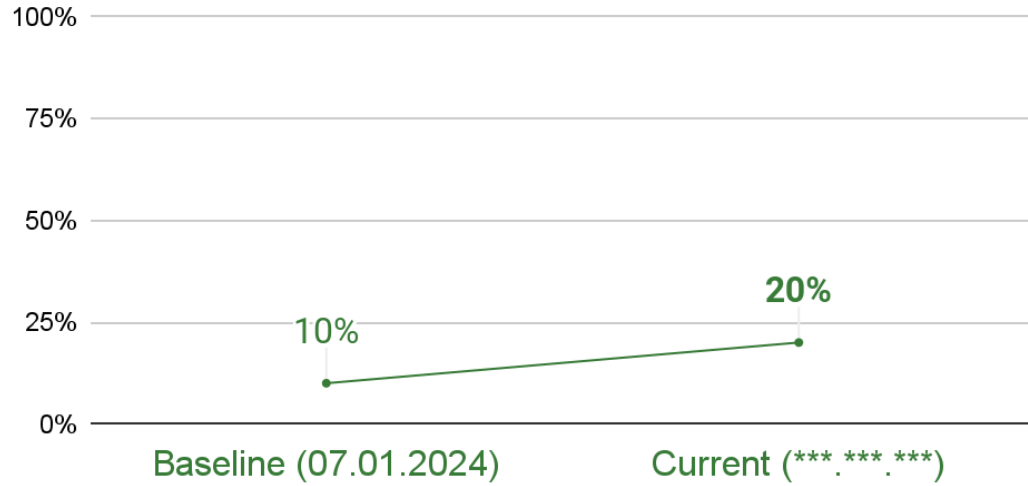
- When the patient is marked as inactive
- At the request of another Colorado provider who is assuming care of the patient
- When the patient receives an immunization at a new/different clinic within the state of Colorado





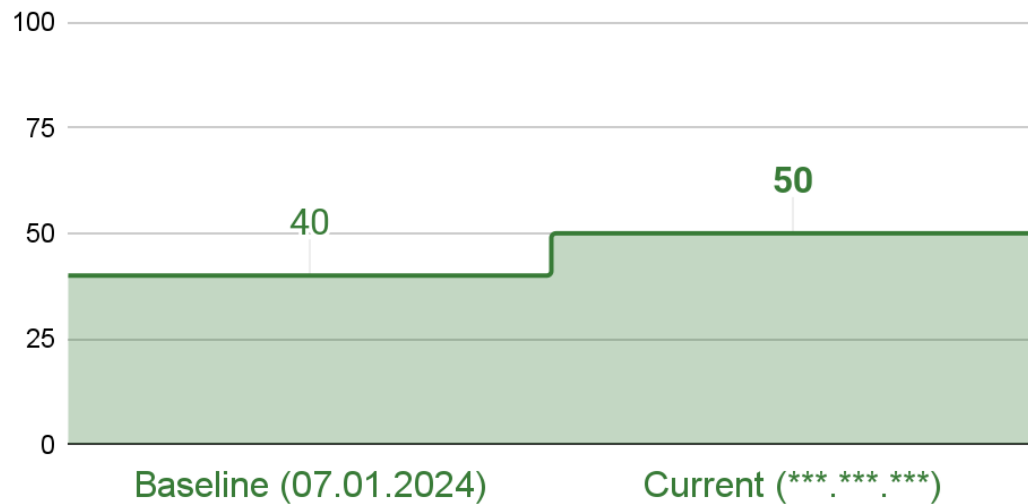
### Provider-level CIIS data: up to date MMR

\*\*\*CLINIC NAME\*\*\*




### Provider-level CIIS data: k-aged patients

\*\*\*CLINIC NAME\*\*\*



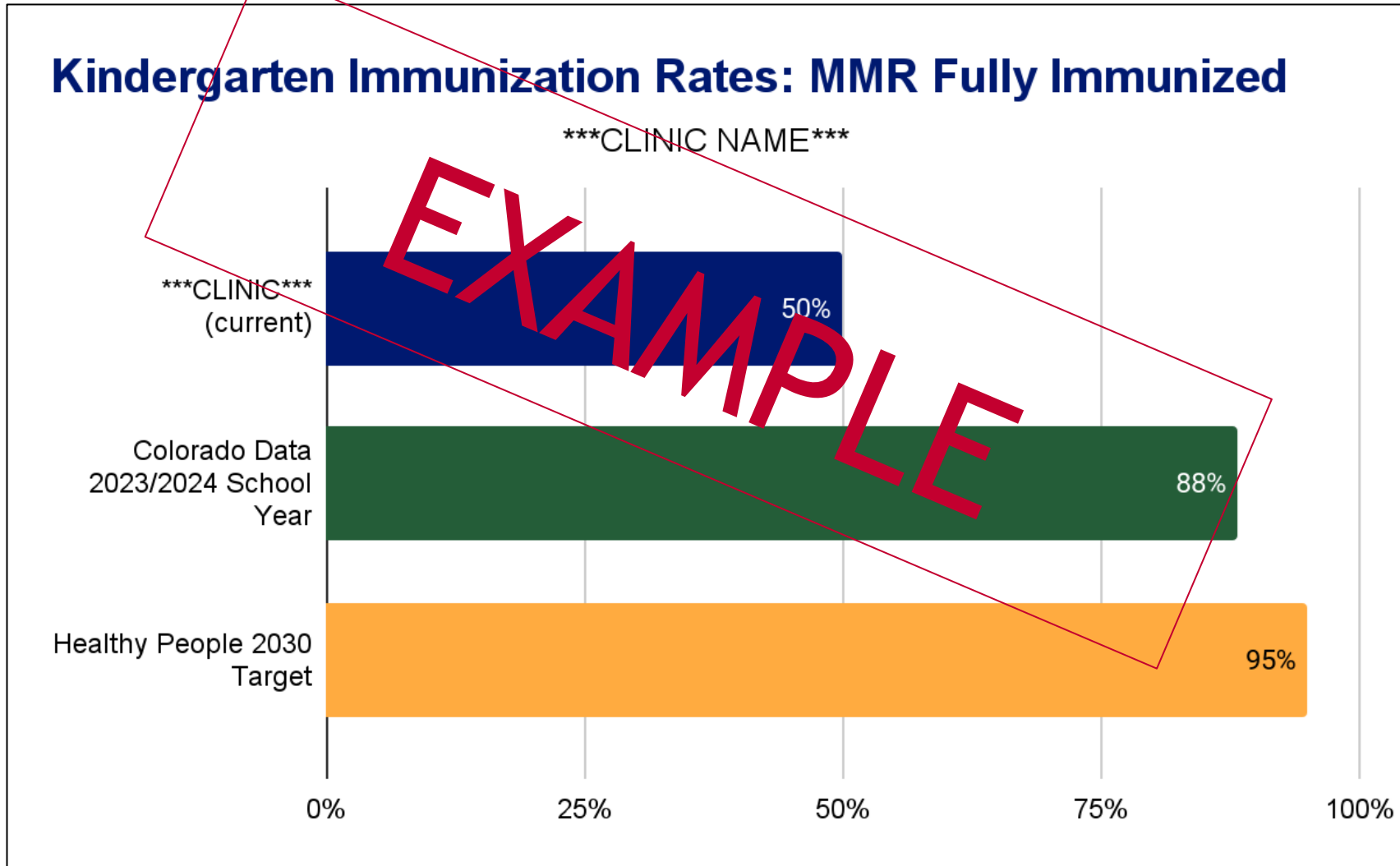
## Current provider-level data

<p>*** (Clinic Name)</p> 	
Data current as of ***	
Total kindergarten-aged patients associated to clinic in CIIS: ***	
<b>MMR</b>	
Up to Date	***
Not Up to Date	***
Percent Up to Date	***%

EXAMPLE



# Provider-level comparison data



# When to inactivate patients in CIIS

## The patient has moved out of state

1. Update address in CIIS (if applicable)
2. Inactivate patients at the clinic level
3. Contact the CIIS help desk to remove the patient at the jurisdiction level (if applicable i.e., patient is moving out of Colorado)

## The patient is lost to follow-up

- Clinic has attempted to contact the patient 3x in the past 365 days without response
- The patient has not received any vaccines within the last 365 days

## The patient is inactive

- No longer under the associated clinic/provider's care



# Next Steps

## Schedule Public Health Detailing visits



- ❑ **Visit 2:** October 2024 - December 2024
- ❑ **Visit 3:** January 2025 - March 2025
- ❑ **Visit 4:** April 2025 - June 2025





# Resources

1. Provider-level data
2. CIIS job aids: Patient Roster report and How to Inactivate a Patient in CIIS
3. Exclusive CIIS report of the kindergarten-aged patients associated with your clinic  
Data will be sent in a separate, encrypted email after today's meeting

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	patient_id	first_name	last_name	dob	most_recent_vac	mmr_status	dtap_status	do_not_send_reminder_ind	number	email_address	language_desc	address	
2	123456	EXAMPLE	EXAMPLE	1900-01-01	1900-01-01	UTD	Not UTD	N	000-000-0000	NA	NA	123 EXAMPLE LANE	
3								Y					

Current status of MMR and DTaP

- UTD (up-to-date)
- Not UTD (not up-to-date)

'Y' (yes) indicates patient has opted out of state-level reminder/recall campaigns. Does not prohibit clinic/provider outreach.





Savannah Destefano, BSN, RN, CWS  
CDPHE Contract Nurse/Detailer  
[savannah.destefano@state.co.us](mailto:savannah.destefano@state.co.us)



**COLORADO**  
Department of Public  
Health & Environment