



# Use of Immunization Information Systems for Determining Compliance with State School Entry Vaccination Requirements

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# Outline

- Introduction
- Overview of School Vaccination Assessment Program
- Overview of the IIS Annual Report (IISAR)
- Methods
- Results from Comparison of Survey Instruments
- Discussion and Conclusions

# Introduction

- ACIP (Advisory Committee on Immunization Practices) and state recommendations for valid immunizations are complicated.
- IIS use Clinical Decision Support for Immunization (CDSi) to assist with determining if a child's vaccines are truly up to date.
- CDSi reduces error when determining shot validity.
- States require children through legislation, regulation, and policy to provide documentation of required vaccinations or exemptions to attend schools and daycares.

**Are schools using their IIS to evaluate child eligibility  
for schools based on vaccination requirements?**



# Overview of the School Vaccination Assessment Program



- Vaccination requirements for school entry vary by state.
- State immunization programs report vaccination coverage among kindergartners annually to the CDC.



# Overview of the IIS Annual Report (IISAR)

- State immunization programs report on their development, maintenance, and enhancement activities for their IIS annually to the CDC.
- Survey collects information on IIS participation, fulfillment of IIS functional standards and other IIS-related metrics.



# Methods

- Self-reported, self-validated.
- All data from immunization programs do not include individually identifiable data on students or IIS participants.
- State legislation, regulation, and policy vary across states which can lead to difficulty when comparing states.
- Includes questions regarding the use of IIS by schools.
- Online report could be completed by immunization program manager, school coordinator, and/or IIS manager.
- Includes 49 states and Washington, D.C. (New Hampshire did not have an IIS at the time of the study).

# Questions Analyzed

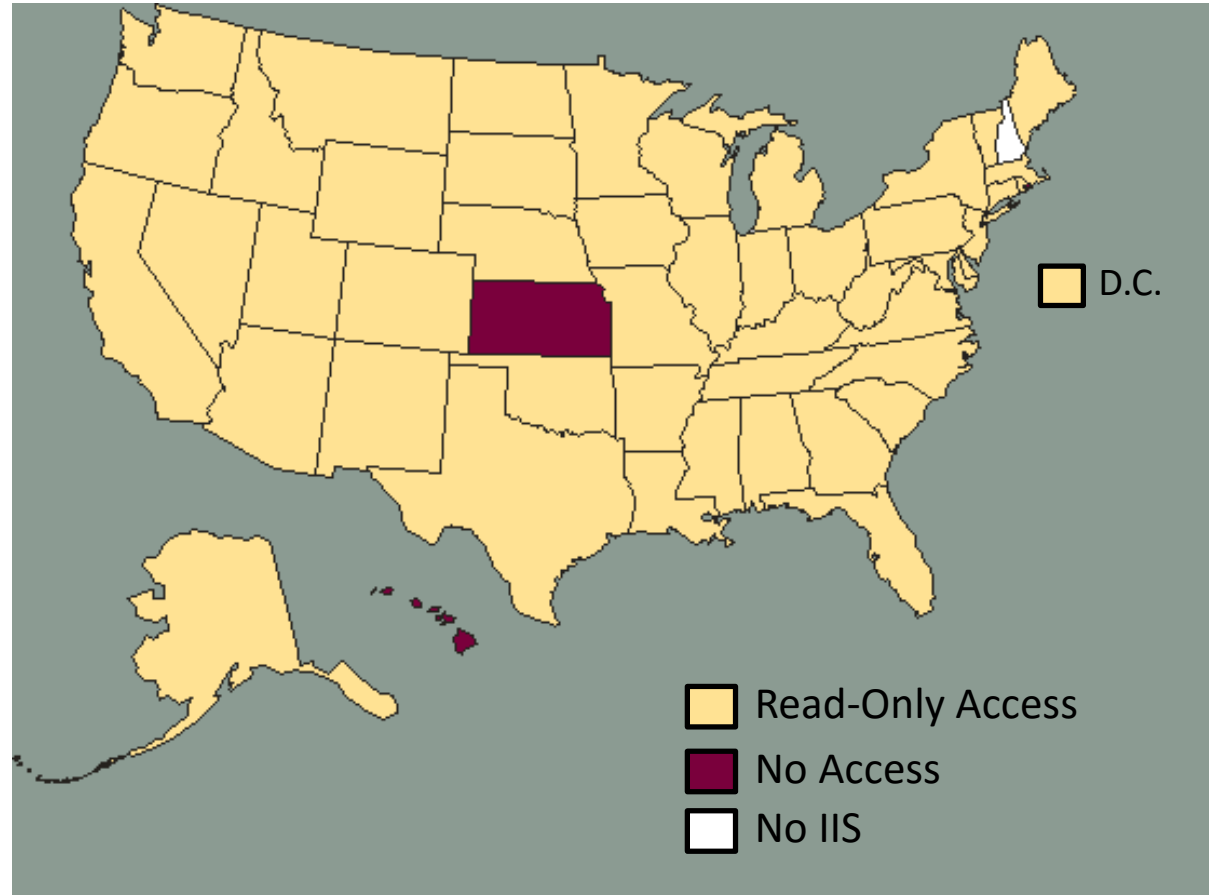
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  - Question: In 2015, did elementary schools have read-only access to your IIS data?
- School Vaccination Assessment Program Questions:
  - Who reviewed the records to determine up-to-date vaccination status for this report? Options include: Immunization Information System (IIS) (also known as registry) algorithm
  - What topics were covered during training? Options include: How to use IIS to determine vaccination and/or exemption status

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# IIS Allows Elementary Schools at Least Read-Only Access

- 48 (96%) out of 50 awardees allow elementary schools at least read-only access to their IIS

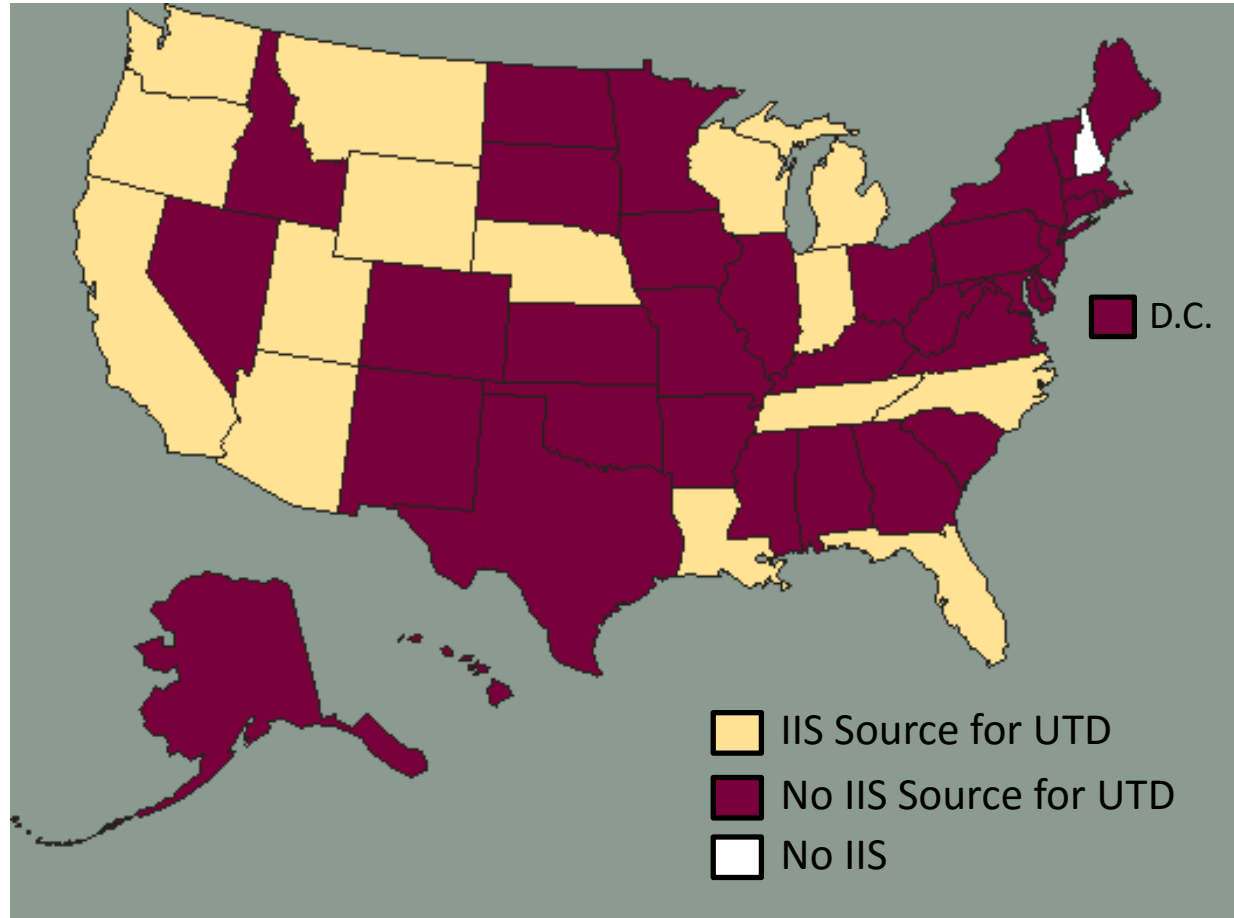


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# IIS Used as a Source to Determine UTD Status

- 15 (31%) of those 48 awardees reported that at least some schools use the IIS as one of the methods to determine if children are up to date (UTD) for required vaccines

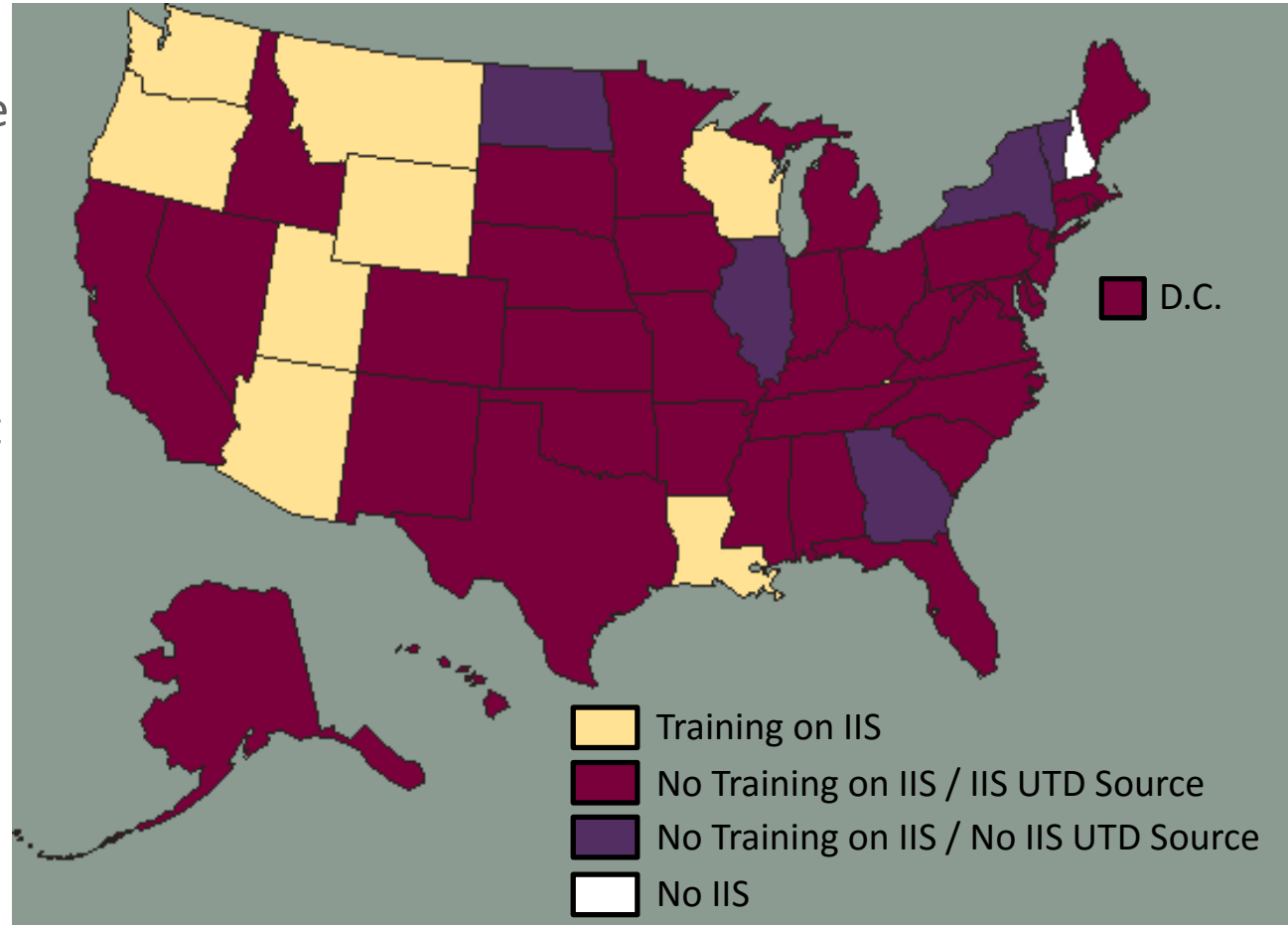


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## Training Offered on IIS Use

- 8 (53%) of those 15 awardees provide some type of training to schools on how to use the IIS for the kindergarten vaccination assessment
- 5 (15%) of the 33 awardees that did not report using IIS to determine student vaccination status also provide training on IIS



Source: 2015-2016 School Vaccination Assessment Program

# Benefits of IIS to Schools

- Determining if a child is up-to-date for vaccines according to the Advisory Committee on Immunization Practices (ACIP) or to state-specific vaccination requirements can be complicated.
- IIS utilize Clinical Decision Support to determine a child's vaccination status.
- Use of IIS could standardize results across schools within jurisdictions and facilitate comparisons across jurisdictions.
- Reduce the need for trained medical staff to read shot cards.
- Allow schools to follow up on students in a grace period or provisionally enrolled without relying on parents for documentation.
- Timely and systematic identification of undervaccinated students.
- Reduce burden on schools to produce vaccination assessment reports.

# Possible Barriers to Adoption

- Some immunization programs report that access to the IIS is limited to schools with school nurses or to schools with vaccination clinics.
- In some jurisdictions, Family Educational Rights and Privacy Act (FERPA) interpretations have hindered one-way access for schools.
- Insufficient training and/or resources focused on the school community.
- Resource limitations.

# Further Investigation Needed

- Barriers to adoption from both the public health and school perspective.
- Successful practices for those awardees who have fully integrated their IIS into their School Vaccination Assessment Program.



# Thank You

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

