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# Immunization Information Systems, ALERT IIS & Your EHR



OREGON IMMUNIZATION DEPARTMENT  
Public Health Division

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# Presenters



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Analyst

# Overview

1

## Immunization Information Systems

- What is an IIS?
- What is ALERT IIS?

2

## Updates

- Replacement Project
- OIP Training Portal

3

## Data Exchange

- What is Data Exchange?
- Main Methods
- Getting Started and Preparing for Success

# Thought Experiment

1

Immunization  
Information Systems

How well would you track your own vaccines?

Scale of 1 (worst) to 10 (best)

Data: vaccine, date, location

Why track this data?

43 shots + 65 flu

14 vaccine types

11.7 moves

[CDC Vaccine Schedules](#)

[Census Data](#)

1

Immunization Information Systems



Doctor's Office



OB/GYN



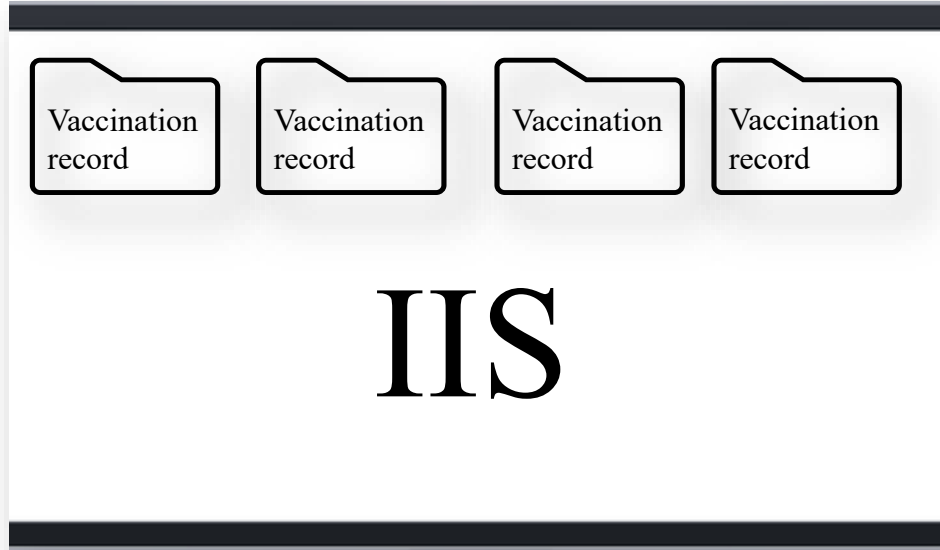
Hospital



Pharmacy



Dentist



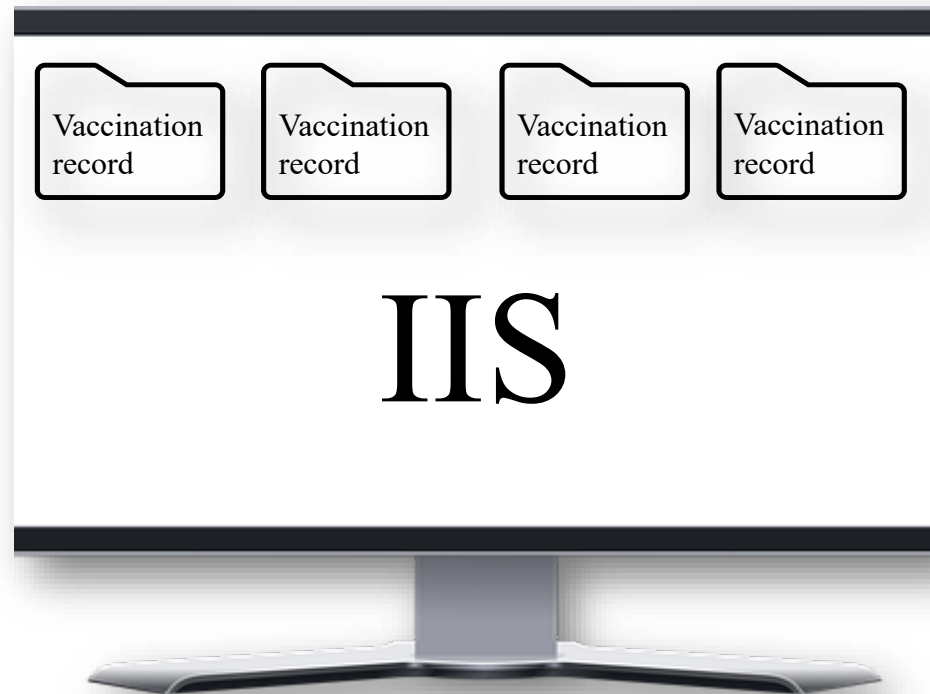
Urgent Care



Public Health Department



Workplace

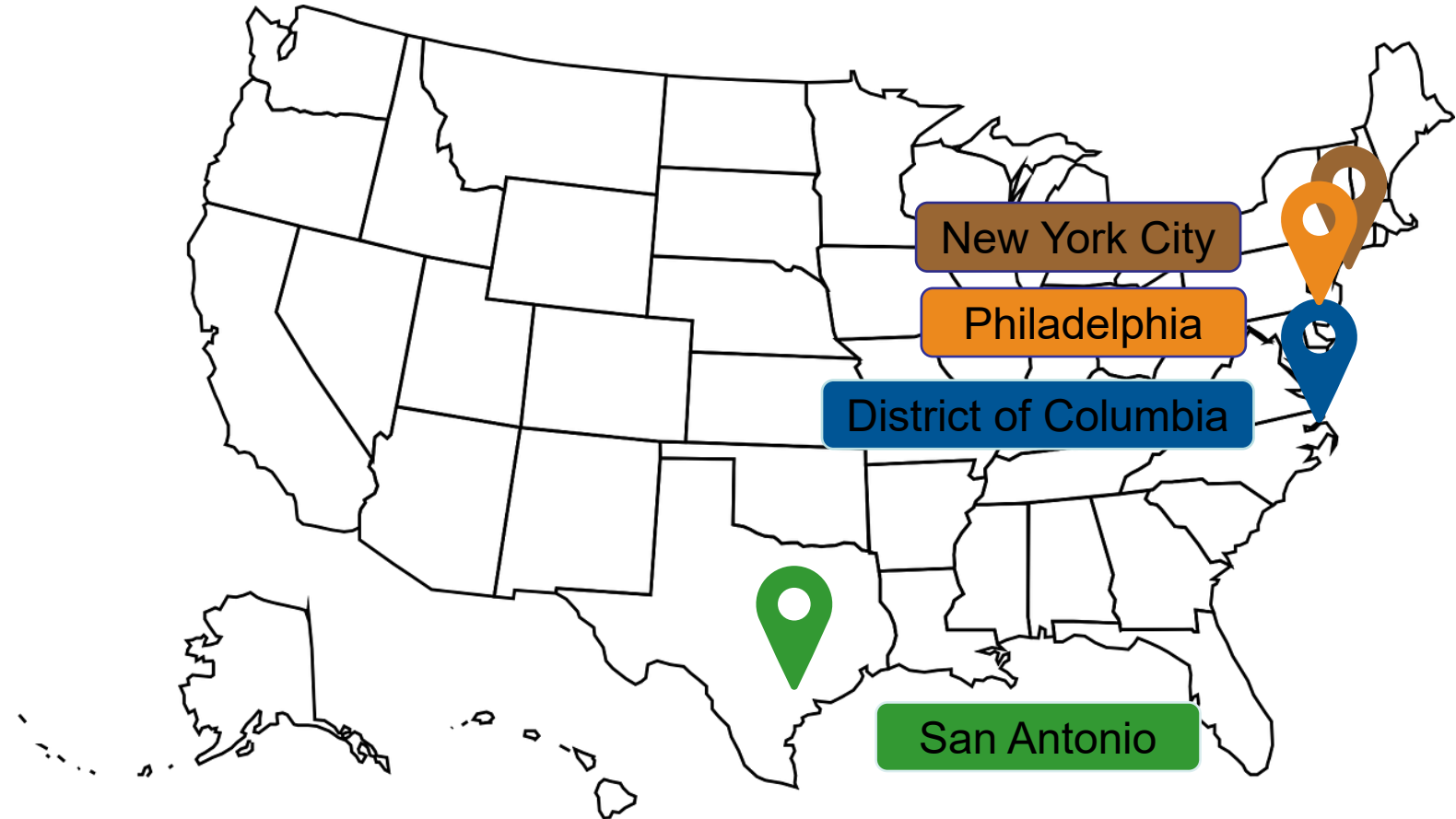


# 62 Immunization Information Systems

1

Immunization  
Information Systems

American Samoa
Commonwealth of N. Mariana Islands
Guam
Marshall Islands
Micronesia
Palau
Puerto Rico
Virgin Islands



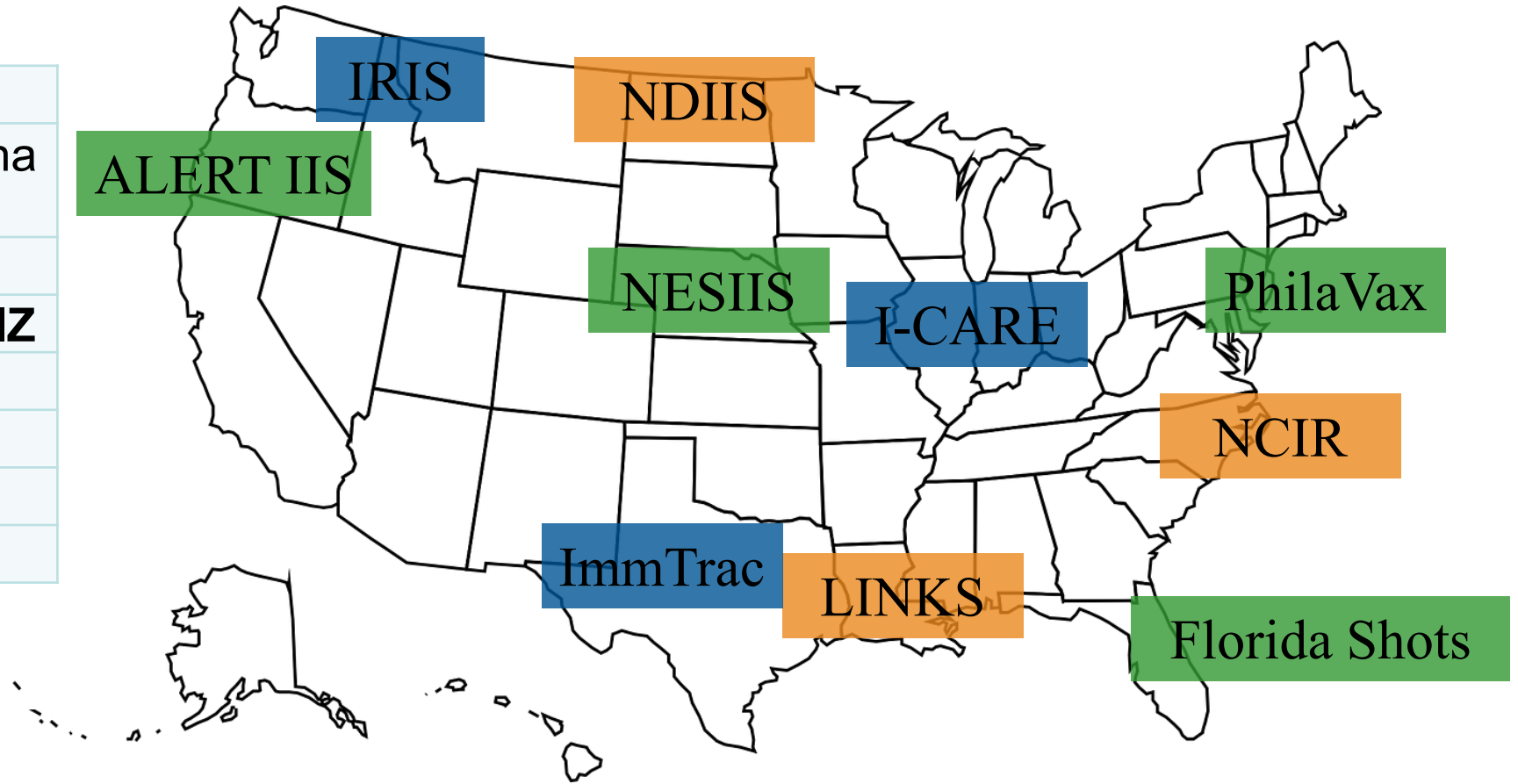
If these existed when you were a kid, how many would have data about you?

# Oregon = ALERT IIS

1

Immunization Information Systems

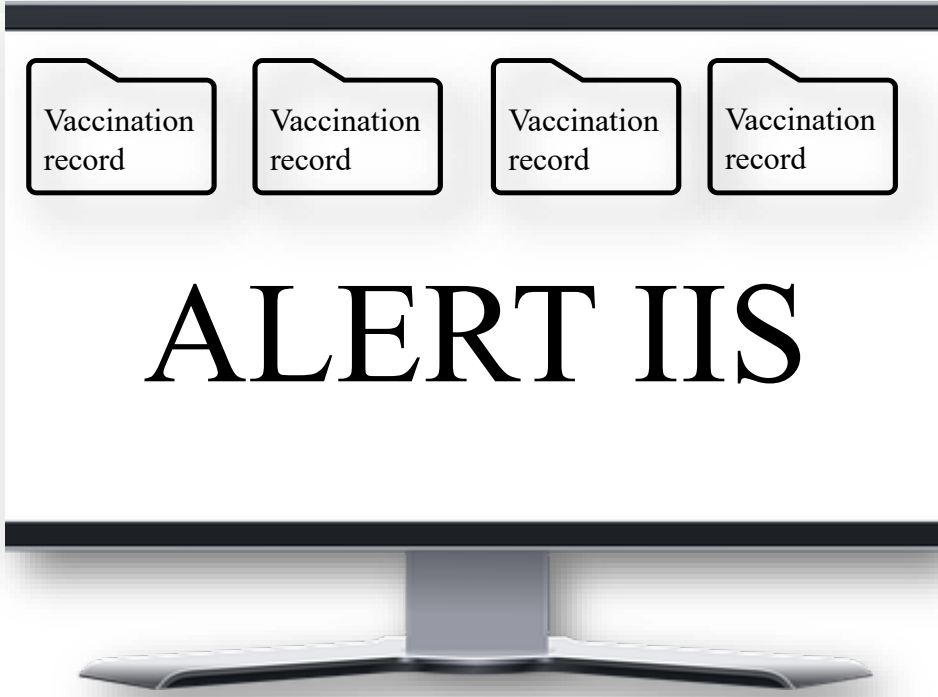
American Samoa
Commonwealth of N. Mariana Islands
Guam
Marshall Islands - <b>RMI WebIZ</b>
Micronesia
Palau
Puerto Rico - <b>PREIS</b>
Virgin Islands







Parents and General Public



Health Care Providers  
Schools & Child Care

1

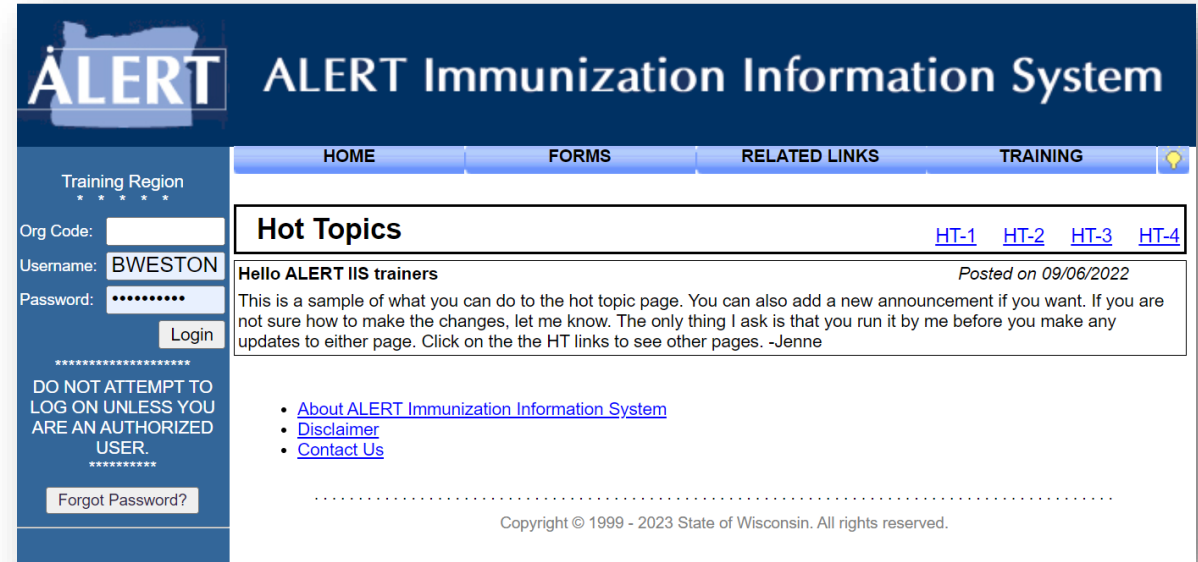
Immunization  
Information Systems



Public Health

# Replacement Project

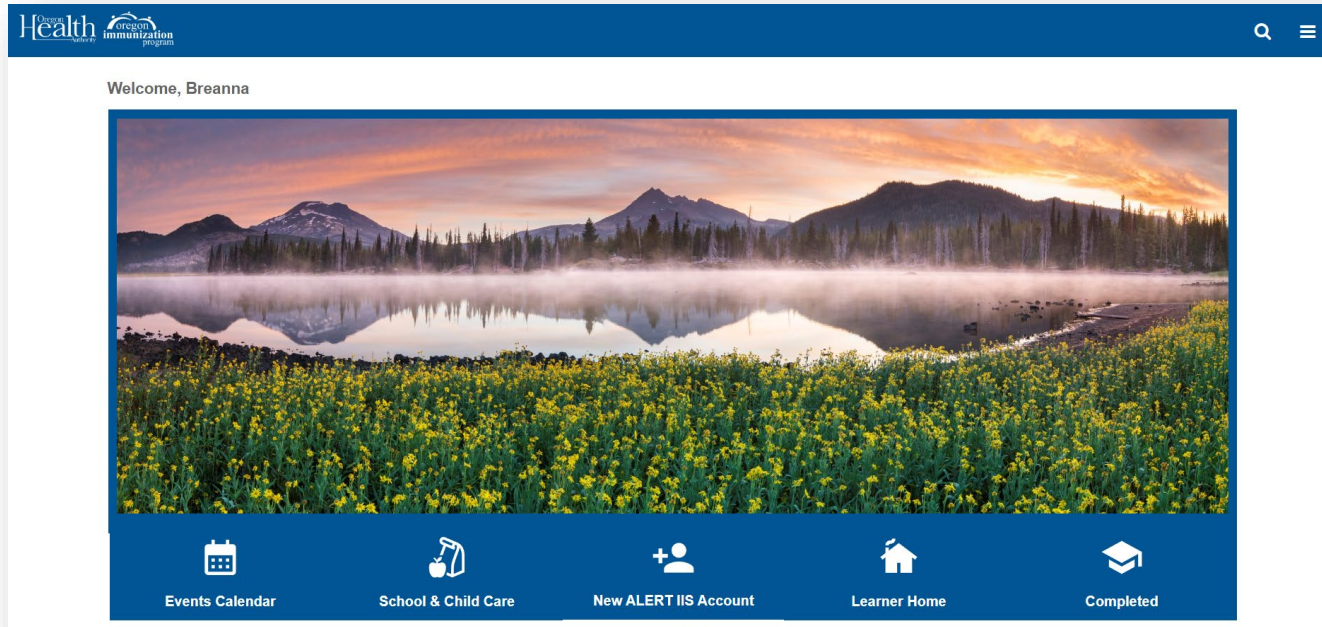
- 5 year project (goal 2027)
- “Replacement”
- New functionality
  - Consumer access module
  - School Law functionality



# OIP Training Portal

2

Updates



[oip.csod.com](http://oip.csod.com)

- Updated required VFC Trainings
- New on-demand Reminder/Recall
- Coming Soon: Data Monitoring on-demand module and materials

# What is Data Exchange (DX)

3

Data Exchange

- The ability for 2 or more computer systems to exchange information and use information that has been exchanged.

## Interoperability



# Main Methods of Data Exchange

3

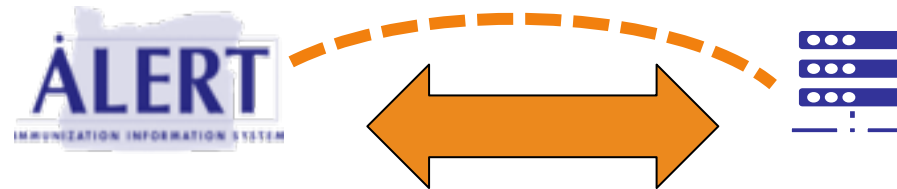
Data Exchange



Partners message ALERT IIS to:

- Look up patient histories
- Submit vaccination records

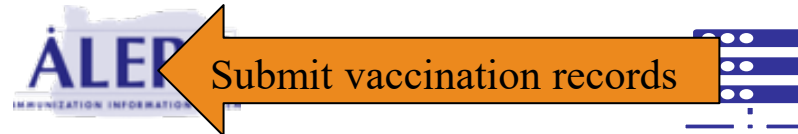
- **Bidirectional DX**



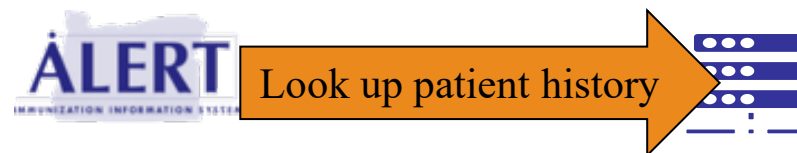
- 90% of IIS data is sent via bidirectional DX
- 95% of the data is sent, same day

- **Unidirectional DX**

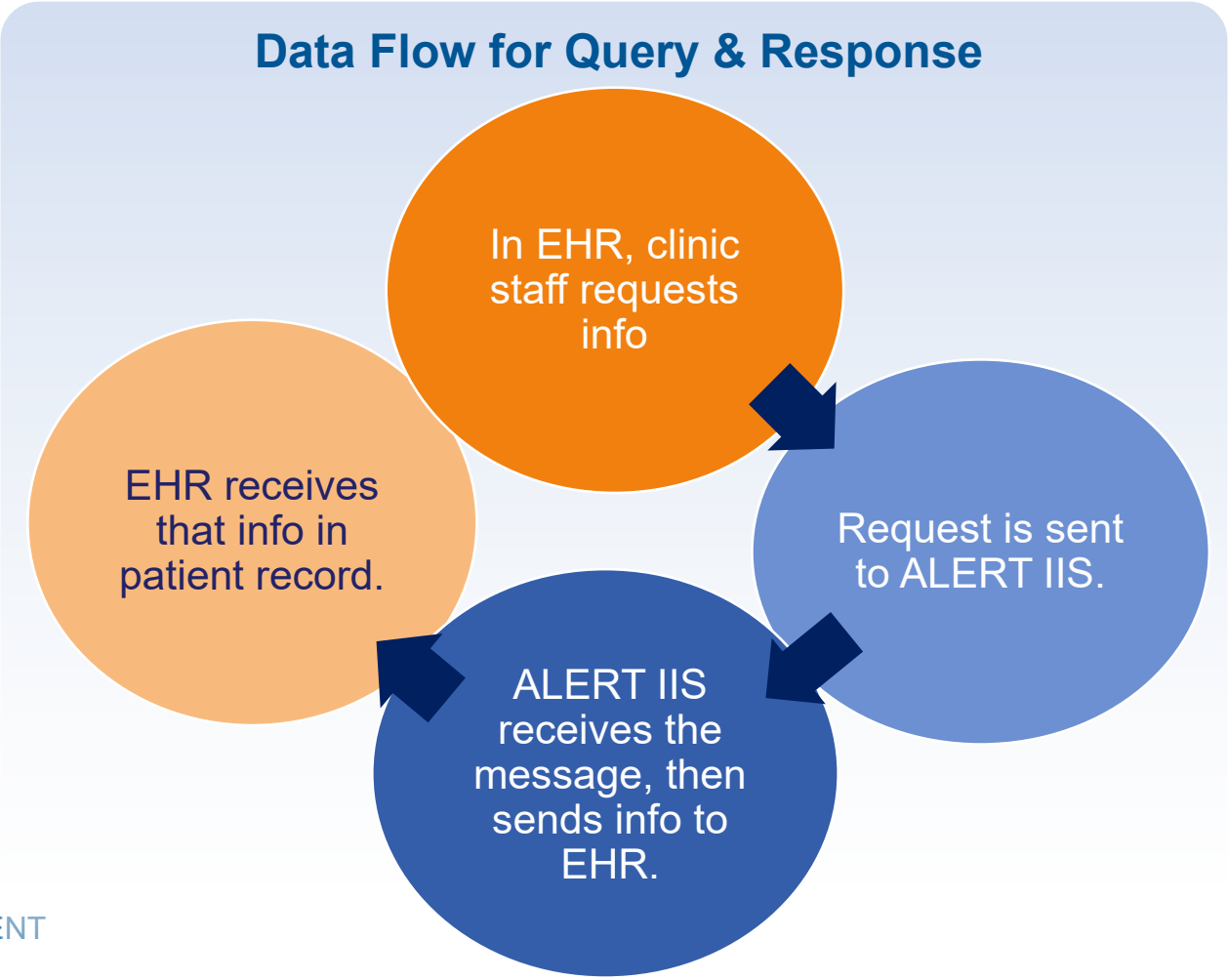
- **Reporting Only**



- **Query Only**



# Look Up Vaccine History ALERT IIS

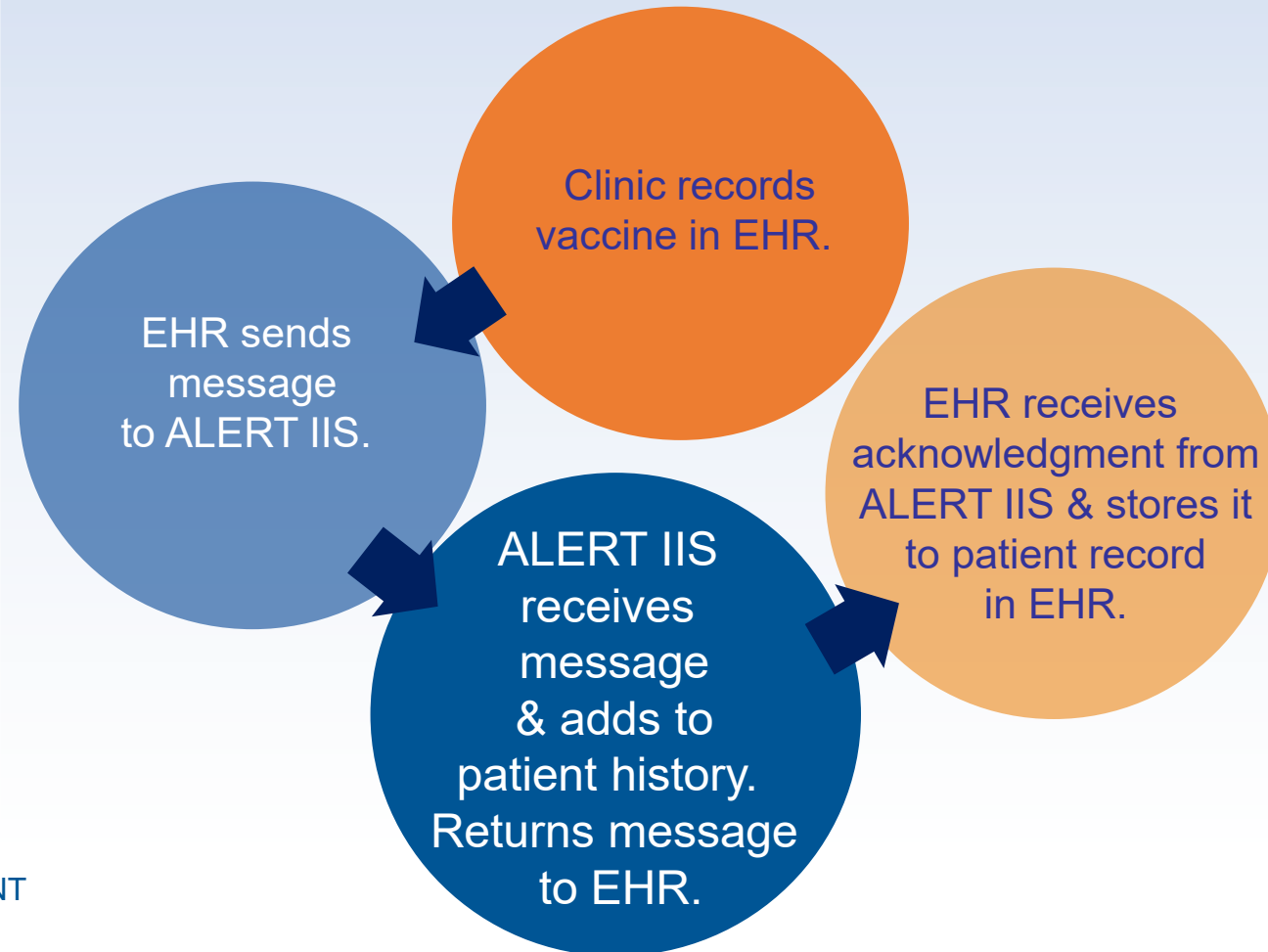


# Submit an Immunization Record to ALERT IIS

3

Data Exchange

## Data Flow for Vaccine Report & Acknowledgement



# Getting Started with ALERT IIS DX

Organizations must:

1. [Enroll with ALERT IIS](#)
2. [Request onboarding to ALERT IIS DX](#)

More information on [ALERT IIS DX Webpage](#)



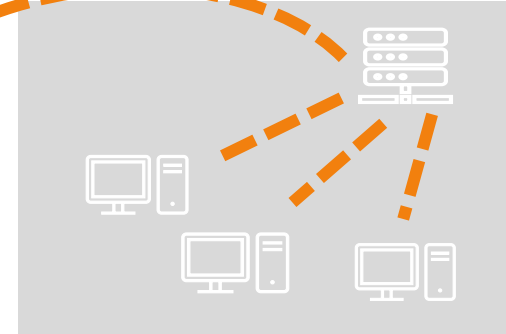
# Preparing for Success with DX

3

Data Exchange



**ALERT**  
IMMUNIZATION INFORMATION SYSTEM

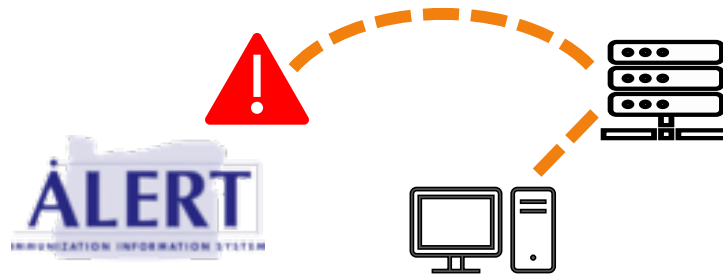


- Know how to contact the ALERT IIS DX Team
  - Questions and technical assistance
- Know how to contact your EHR system support team
  - EHR support must be involved in:
    - The DX onboarding process,
    - Troubleshooting issues,
    - Communicating changes or updates.

# Preparing for Success with DX

3

Data Exchange



Know who, on your staff, is responsible for monitoring the data quality.

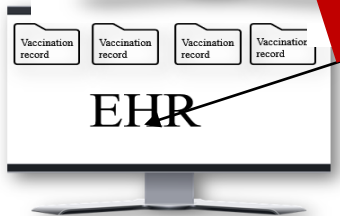
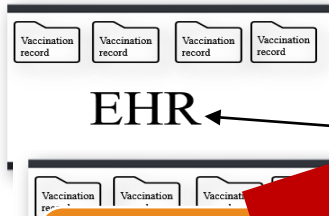
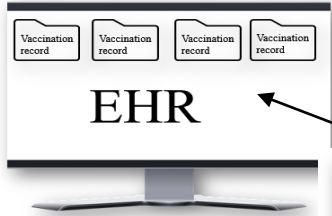
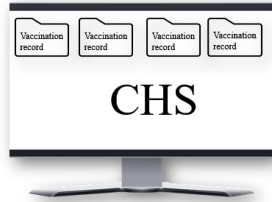
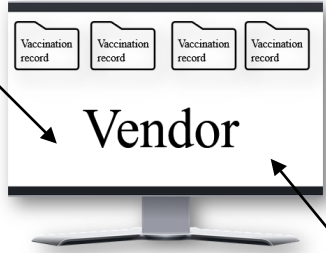
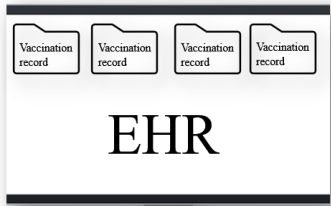
## Be aware of:

- Changes in vendors (new EHR, new sending vendor)
- Recent system updates (IIS, EHR, and/or new sending vendor)
- The connection between your EHR and sending vendor
- Upcoming system maintenance

*Coming  
Soon!*

ALERT IIS Data Monitoring Course.

Data



Vital Statistics  
Oregon

ALERT IIS  
Oregon

Oregon

- ACDP, WIC, MMIS, EDHI, ORKids,

Other States

- Nevada – DONE!
- WA, ID & NM up next

**COMPLICATED**

Federal Agencies

- CDC non-identifiable data (not shared with other federal agencies)
- VHA (OR, some WA)

# Email Addresses

- Data Exchange Team

- [ALERT\\_DataExchange@odhsoha.Oregon.gov](mailto:ALERT_DataExchange@odhsoha.Oregon.gov)

- [Changes/Updates to Your EHR or Existing Connection Form](#)

- Training Team

- [OIP.Training@odhsoha.Oregon.gov](mailto:OIP.Training@odhsoha.Oregon.gov)