



INTRODUCTION TO THE WASHINGTON STATE IMMUNIZATION INFORMATION SYSTEM

IIS Provider Training & Outreach

Meet Your Trainers

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Today's Topics

- What is an IIS?
- Overview of WA's IIS
- Accessing the system
- Components of the IIS
- Benefits
- Tools available in the IIS
- Demo
- Resources

What is an IIS?

Immunization Information Systems (IIS)

Secure system that houses immunization records for the population of a certain area (e.g. state)

What is the Purpose of an IIS?

- Collect and share immunization data across authorized healthcare organizations, clinics, pharmacies, schools, and other partners in a jurisdiction
- Provide comprehensive immunization records
- Provide clinical decision support tools (e.g. Forecast)
- Assess population-level vaccination coverage and trends
- Facilitate public health response to vaccine preventable disease outbreaks and other public health emergencies

IIS In Action

Let's take a look at an example of how an IIS collects information and consolidates it into a comprehensive record for a patient over their lifetime

[How IIS Support a Patient's Journey](#) *(American Immunization Registry Association)*

IIS Across the Nation

- Every state has an IIS, but a national IIS does not exist
- Some states have more than one IIS (e.g. state & city)
- The majority of IIS are lifetime registries with records for children, adolescents, and adults
- Some states have locally-developed IIS and others contract with a vendor
- Laws and policies that affect IIS vary greatly from state to state

WA State's IIS

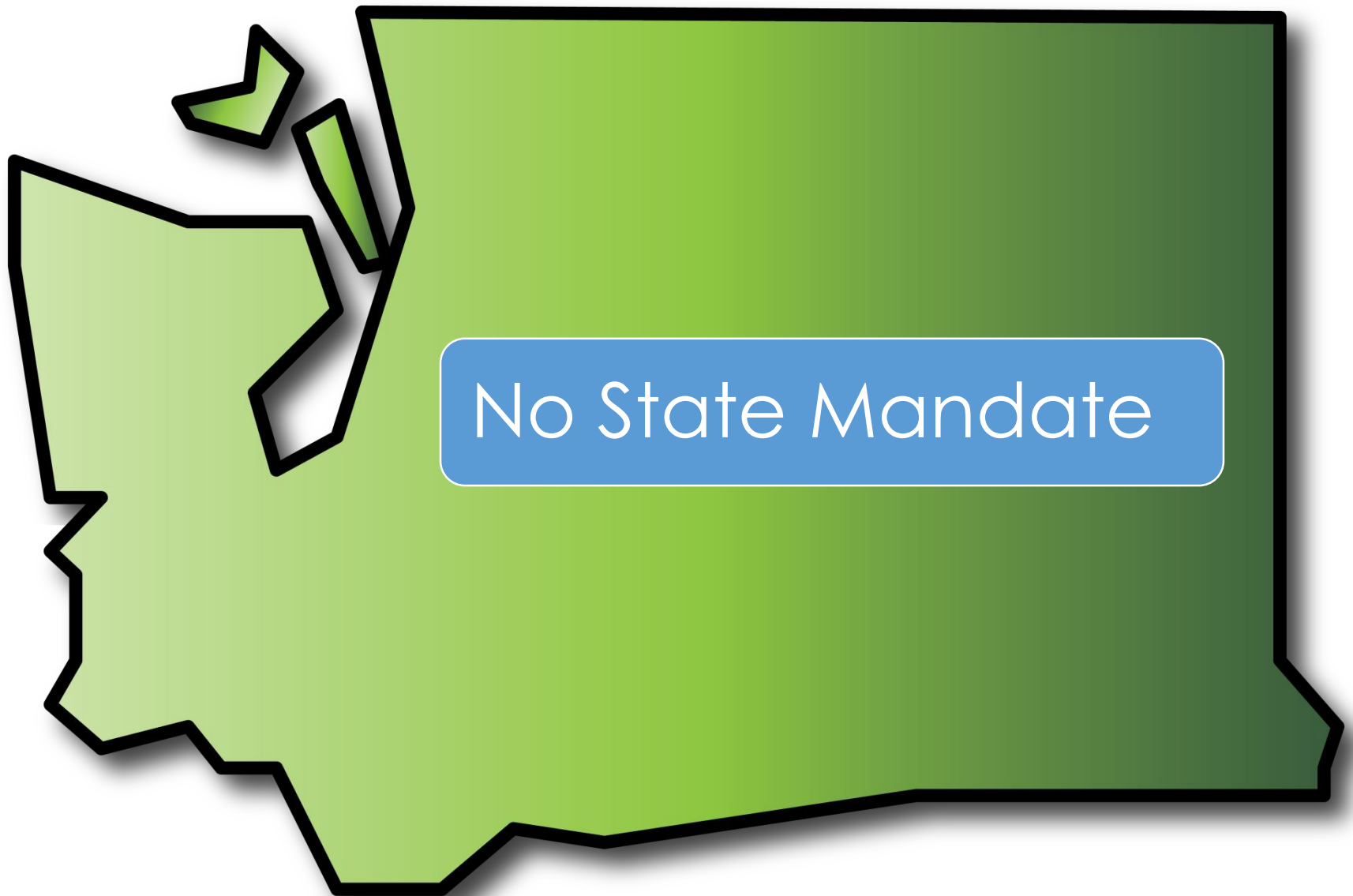
What is the Washington State Immunization Information System?

- Statewide web-based system that contains immunization records for patients of **all ages**
- Includes **105 million immunization records** for about **10 million people**

WASHINGTON STATE
IMMUNIZATION
INFORMATION SYSTEM



WAIIS Legal Framework



No State Mandate

Who is Authorized to Access the IIS?

- Organizations/individuals authorized to access the IIS:
 - Private & Public Healthcare Providers
 - Pharmacies
 - Public Health
 - Health Plans
 - Schools/School Districts/Head Starts/ECEAPs
 - Individuals who provide healthcare services
- Must have a healthcare provider who is:
 - Authorized under WA law to provide healthcare services
 - Responsible for the operation and management of healthcare services

IIS Access

1. All WA organizations interested in accessing the IIS must complete an [IIS Information Sharing Agreement](#)
 - **VIEW Only agreement** -expires in three years and allows the organization access to look up records and run reports
 - **EXCHANGE agreement** -expires in five years and allows an organization to add/edit information on patient records
2. DOH sets up the new organization & facility(s) in the IIS
3. IIS Help Desk/System Administrator sets up IIS user accounts

Information on How to Get Access

www.doh.wa.gov/WAIIIS

How Does Data Get to the IIS?

Electronic data exchange is the most common way data is shared with the IIS

Data Exchange
93%

EHR's can send data to the IIS

Data Entry
6.5%

Users can enter data directly in the system

Data File
0.5%

DOH uploads birth/death data

Current Data Exchange in WA

About **260** organizations (**2,145 facilities**) have an interface

- 35-40% are now bi-directional (two-way communication)
 - EHRs can automatically query the system for current immunization records when the patient is in the provider's office
 - Providers can quickly see if patients are due or past due for immunizations and send updates to the system when new vaccines are administered
- OneHealthPort (Health Information Exchange - HIE) is now the preferred method for data exchange with the Department Health
 - Current interoperability work is focused on setting up new interfaces and transitioning existing interfaces to the HIE.

For More Information about the HIE:

[DOH Leveraging of Health Information Exchange](#)
[OneHealthPort Health Information Exchange](#)

How are Records Consolidated?

Hospital A

Pt Name: BG Mom Angie Evans
DOB: 5/15/2018

Vaccine: 5/15/18 Hep B

Pediatrician A

Pt Name: Julie Andrews
Guardian: Angie Andrews
(maiden: Evans)
DOB: 5/15/2018

Vaccines:
7/20/18 DTaP-Hep B-IPV, Hib,
PCV & RV

Deduplication

Possible
match –
Requires
manual
review

Consolidated Record

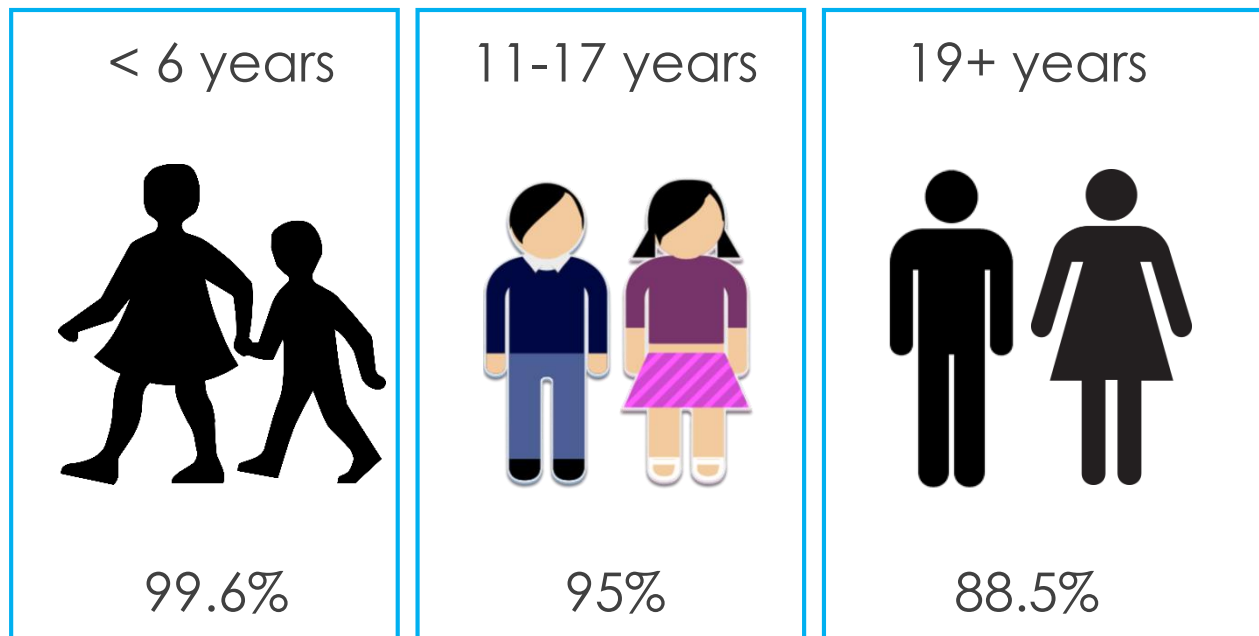
Pt Name: Julie Andrews
Guardian: Angie
Andrews (Evans)
DOB: 5/15/08

Vaccines:
5/15/08
Hep B

7/20/18
DTaP-Hep B-IPV
Hib
PCV
RV

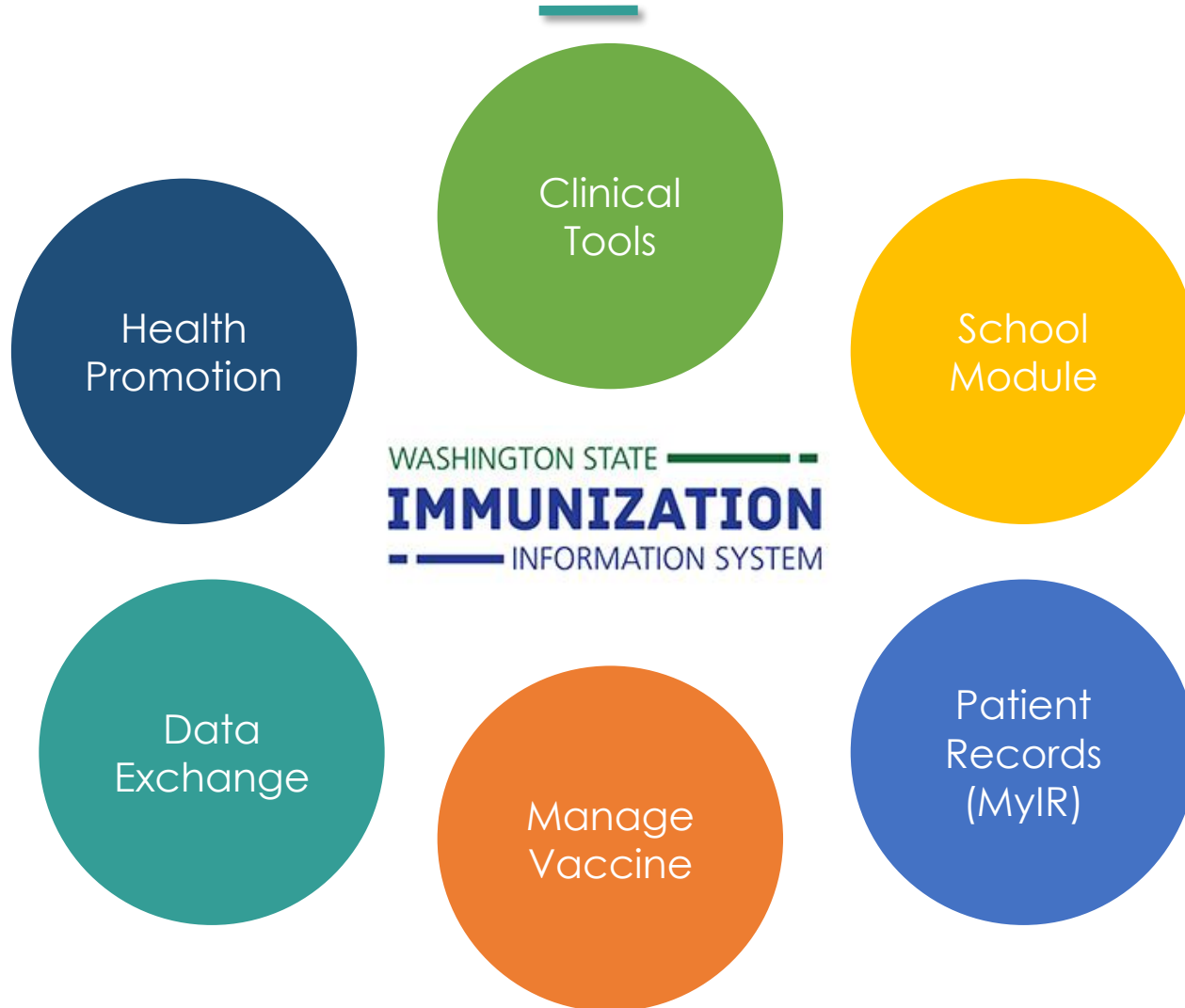
How Complete is the Data in the WAIS?

The below statistics are from the 2018 IIS Annual Report. They indicate the percentage of each age group that have a record with 2+ vaccinations for 0-17 years and 1+ for 19 and older.



Most Washington residents have a record in the IIS!

Components of the IIS



Provider Benefits

IIS functionality that benefits providers:

- Access to immunization records and vaccination forecast
- Document administered and historical vaccines
- Print patient records including Certificate of Immunization Status
- Vaccine ordering and inventory management
- Assess & improve immunization coverage rates
- Remind/recall patients for vaccines that are due
- Provide support during vaccine preventable disease outbreaks

This data tends to be more complete and accurate as we get more immunization data from providers. Patient records are made up of several pieces of information from different providers; consolidated in the IIS!

Viewing Patient and Vaccination Records

▶ Main
▶ Message
▶ Favorites
▶ Patient
Search
Demographics
Remote Registry
▶ Vaccinations
View
Forecast
Summary

- Once a user logs in to the IIS, they can navigate to the left hand menu to Search for a patient
- If matching patients are found, they will appear in the search results and the user can select the correct patient and view their demographic information
- View the patient's vaccinations by clicking on Vaccination Summary in the left menu

Vaccination Summary								
Vaccinations outside the ACIP schedule are marked with an 'X'.								
Vaccine	1	2	3	4	5	6	7	8
Tdap	05/19/2017 29 years							
Influenza	09/06/2017 29 years	09/25/2018 30 years						

Invalid Vaccinations		
Invalid Vaccinations	Date	Reason

Vaccine Deferrals

Printing Patient Records

The IIS provides patient records in several, printable formats including a basic **Vaccination Record** as seen below or a **Certificate of Immunization Status** needed for school entry.

Vaccine Family	Dose 1	Dose 2	Dose 3	Dose 4	Dose 5	Dose 6	Dos
DTaP/DTP/Td	X 01/01/2001 0 days	03/01/2001 8 weeks	05/01/2001 4 months	09/01/2001 8 months	X 12/01/2001 11 months	09/01/2015 14 years	09/09 14 y
Tdap	11/10/2015 14 years						
OPV/IPV	09/01/2001 8 months	12/01/2001 11 months	09/01/2015 14 years				
MMR	02/02/2016 15 years						
Hib	03/01/2001 8 weeks	06/01/2001 5 months					
Hep B - 3 Dose	01/01/2001 0 days	09/01/2001 8 months	12/01/2001 11 months	09/01/2015 14 years	11/03/2015 14 years		
Influenza	11/16/2015 14 years						
Pneumo (PCV)	12/01/2014 13 years	12/01/2015 14 years	01/28/2016 15 years				
Meningococcal	01/01/2012 11 years						
HPV	10/24/2015 14 years	02/02/2016 15 years					

Next Vaccine Due: HEP-A Recommended Due Date: 01/01/2002

Assessing & Improving Coverage

Providers, health care systems, state and local public health, health plans, and other partners use IIS data to measure and improve vaccination coverage.

IIS Tools to Assess Coverage

- Coverage Rate Report

IIS Tools to Improve Coverage

- Patient Vaccination Forecast
- Reminder Recall

Patient Vaccination Forecast

Displays the vaccine family, dose number, recommended date, and minimum date, overdue date, and status of a vaccine. Shows the status for the patient based upon the ACIP recommendations.

Vaccination Forecast					
The forecast automatically switches to the catch-up schedule when a patient is behind schedule.					
Vaccine Family	Forecasted Dose	Recommended Date	Minimum Valid Date	Overdue Date	Status
FLU	1	Past Due	05/11/2012	08/29/2013	Past Due
MMR	2	Due Now	07/30/2013	11/11/2018	Due Now
DTaP/DT/Td	2	04/16/2018	04/16/2018	05/16/2018	Not Yet Due
HEP-B 3 DOSE	2	04/16/2018	04/16/2018	07/11/2018	Not Yet Due
POLIO	2	04/16/2018	04/16/2018	05/16/2018	Not Yet Due
HEP-A	2	09/19/2018	09/19/2018	10/19/2019	Not Yet Due
HPV	1	11/11/2022	11/11/2020	11/11/2024	Not Yet Due
MENINGOCOCCAL	1	11/11/2022	11/11/2021	11/11/2024	Not Yet Due

Due Now -- As of today's date, the patient's age falls between the recommended minimum age and the recommended maximum age for this dose and the absolute minimum interval has been met since the last dose.

Past Due -- As of today's date, the recommended maximum age or the recommended maximum date for this dose has passed.

Not Yet Due -- As of today's date, the patient is not due or past due.

Optional -- This vaccine may be administered today. Although the usual "recommended" date has not been met, the minimum valid date for this dose has been met.

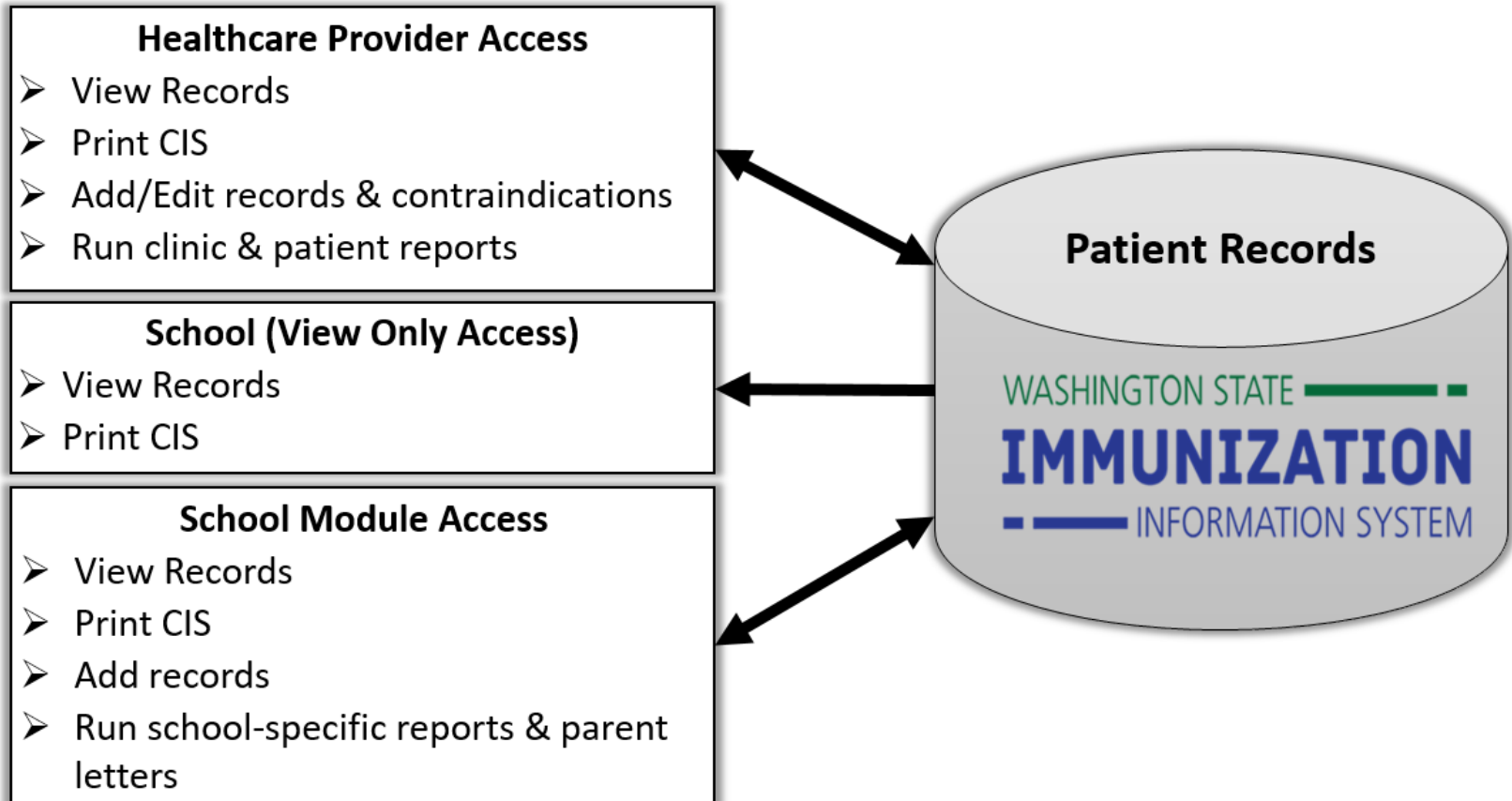
Vaccine Ordering & Inventory Management

Clinics participating in the WA State Childhood Vaccine Program use the IIS to:

- Renew Provider Agreements
- Order, Receive & Return Publicly Supplied Vaccine
- Manage Vaccine Inventory
- Submit Monthly Accountability Reports

Reconcile Inventory								
Vaccine	Lot Number	Exp Date	Quantity on Hand	Physical Inventory	Adjustment (+/-)	Category	Reason	Funding Source
DTaP (Daptacel,Infanrix,Tripedia)	C5254AA	09/18/2019	19	<input type="text"/>	0.0	--No Category Required ▾	--No Reason Required-- ▾	PUB
DTaP (Daptacel,Infanrix,Tripedia)	C5281AA	10/05/2019	10	<input type="text"/>	0.0	--No Category Required ▾	--No Reason Required-- ▾	PUB
DTaP-Hep B-IPV (Pediatrix)	2HC47	12/13/2020	10	<input type="text"/>	0.0	--No Category Required ▾	--No Reason Required-- ▾	PUB
DTaP-Hep B-IPV (Pediatrix)	M9A93	09/18/2020	3	<input type="text"/>	0.0	--No Category Required ▾	--No Reason Required-- ▾	PUB
DTaP-IPV (Kinrix,Quadracel)	27D9A	06/16/2020	10	<input type="text"/>	0.0	--No Category Required ▾	--No Reason Required-- ▾	PUB
DTaP-IPV (Kinrix,Quadracel)	95FR9	11/18/2019	10	<input type="text"/>	0.0	--No Category Required ▾	--No Reason Required-- ▾	PUB
Hep A, ped/adol, 2 dose (Havrix,Vaqta)	9374N	09/01/2020	9	<input type="text"/>	0.0	--No Category Required ▾	--No Reason Required-- ▾	PUB
Hep B, adolescent or pediatric	R007212	11/04/2020	17	<input type="text"/>	0.0	--No Category Required ▾	--No Reason Required-- ▾	PUB

The School Module



For more information about the School Module visit: www.doh.wa.gov/schoolmodule

Consumer Access - MyIR



MyIR

Individuals can register to view their IIS immunization record

- ✓ Self-authenticate
- ✓ View and print current immunization records, CIS & forecast
- ✓ Register at [MyIR](#)

Vaccinations on Record for [redacted] 12 years

Vaccine Name	Dose 1	Dose 2	Dose 3	Dose 4	Dose 5	Dose 6
DTaP/DT/Td	Feb. 2, 2004	April 2, 2004	June 2, 2004	Feb. 28, 2005	May 6, 2008	
FLU	March 22, 2006	Nov. 30, 2010	Dec. 5, 2013	Nov. 18, 2014	Dec. 3, 2015	
HEP-A	March 22, 2006	May 9, 2007				
HEP-B 3 DOSE	Nov. 30, 2003	June 2, 2004	Sept. 7, 2004			
HIB	Feb. 2, 2004	Feb. 28, 2004	April 2, 2004	June 2, 2004	Feb. 28, 2005	
MENINGOCOCCAL	Dec. 23, 2014					
MMR	Nov. 30, 2004	May 6, 2008				
NOVEL INFLUENZA H1N1-09	Nov. 30, 2009					
PNEUMO (PCV)	Feb. 2, 2004	April 2, 2004	June 2, 2004	Feb. 28, 2005	March 22, 2006	
POLIO	Feb. 2, 2004	April 2, 2004	June 2, 2004	May 6, 2008		

Live Demo



Questions?



IIS Training and Support

IIS Questions & Assistance

Contact the Help Desk

- 1-800-325-5599
- WAIISSHelpDesk@doh.wa.gov

Request IIS Training

Email the IIS Outreach & Training Team

IIS.Training@doh.wa.gov

IIS Training Resources

Visit the IIS Training Materials Portal

www.doh.wa.gov/trainingIIS

Recorded IIS Webinars on YouTube

Visit the IIS YouTube Channel [here](#)

IIS News
January 2017

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December 2016 Upgrade

On December 8, 2016 the IIS was upgraded. Please review the materials below to see the changes and updates included in the upgrade.


[IIS Upgrade Summary](#)
[IIS Forecast Update](#)



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IIS School Module

The Department of Health is excited to share that we are rolling out a new tool to make



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