



LET'S GET UP TO DATE FOR BACK TO SCHOOL
IIS Provider Training & Outreach Team

Meet Your Trainers

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Today's Topics

- ✓ A look into why high coverage rates are important for school aged children.
 - Immunization requirements
 - Washington coverage rates
 - Outbreak example
- ✓ Tools to identify at risk patients and help get them up to date.
 - Coverage rate report
 - Reminder/Recall
 - Forecasting tool

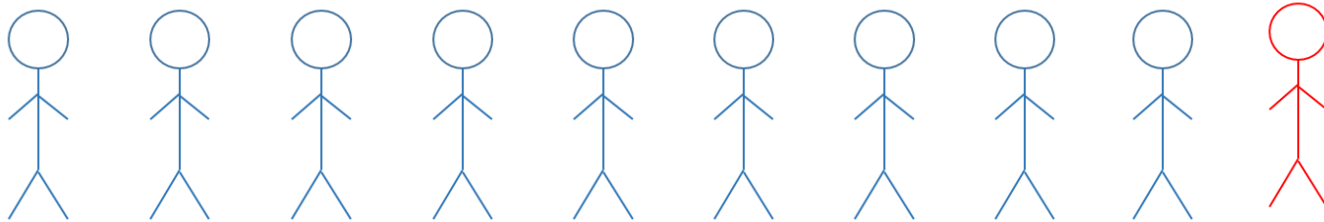
Washington Immunization Requirements

- ✓ In Washington State certain immunizations are required in order for children to attend school or child care.
- ✓ Some children may not be up to date due to an exemption.
 - SB 5005 concerning **exemption** from immunization was signed into law May 10, 2011. They can be **medical**, **religious** or **philosophical**.

Access additional information about school and child care immunization requirements [here](#).

Coverage Rate Example

You have ten children that currently seek medical care at your clinic.



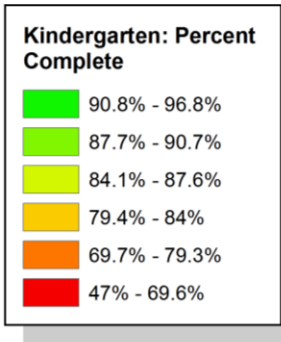
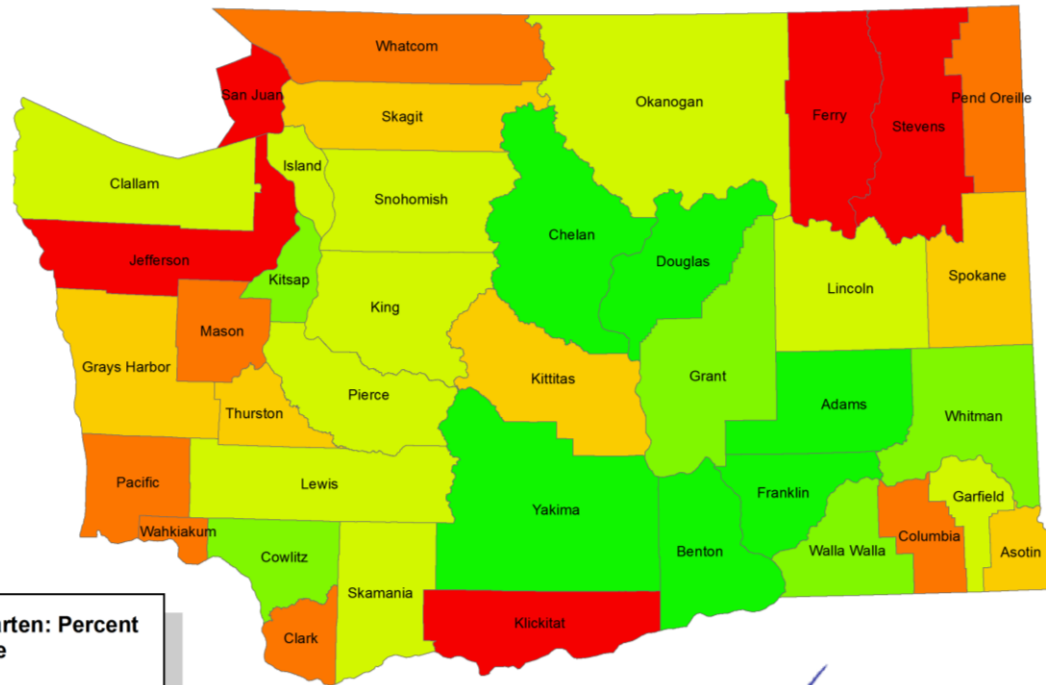
Of those ten children, nine are currently up to date for their MMR immunizations (blue). Your **coverage rate for MMR would be 90%**. There is one child or ten percent of your population that is not up to date.

Why do Coverage Rates Matter?

- ✓ Coverage rates can be run based upon the vaccines recommended by the Advisory Committee on Immunization Practices (ACIP).
- ✓ A school or a county's overall percentage of immunized children is known as their **coverage rate**. A high percentage indicates that most of the population has been adequately immunized.
 - High coverage rates help create herd or community immunity.
- ✓ **Next up:** *Lets look at Washington State's current school coverage by county.*

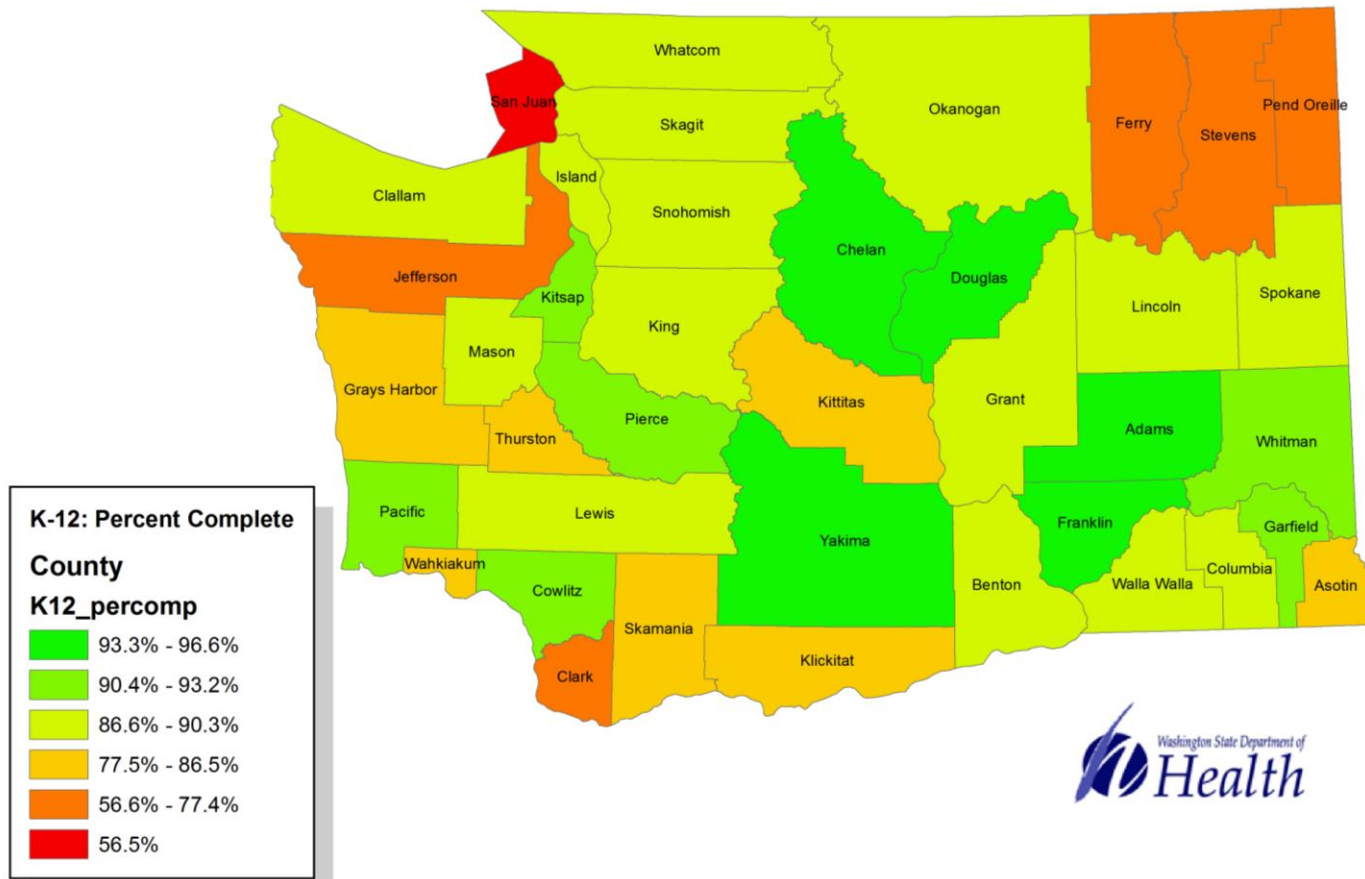
Kindergarten Coverage By County

Access additional immunization data [here](#)



Data source: WA State Department of Health, Office of Immunization and Child Profile, 2017-2018 school data. Created March 2018.

K-12 Coverage by County



Data source: WA State Department of Health, Office of Immunization and Child Profile, 2017-2018 school data. Created March 2018.



Vaccine Preventable Disease Case Study: Measles

Sources: Humans; primarily through respiratory droplets.

Additional risks: Measles in the U.S. is mainly related to international travel to countries with endemic measles or outbreaks. Transmission to additional persons that are not vaccinated can occur, leading to outbreaks.

Trends: Typically fewer than 5 cases reported annually. 36 cases were reported related to a large outbreak at Western Washington University in 1996. **Outbreaks with seven to 33 cases occurred in Washington in 2001, 2004, 2008, and 2014. One outbreak with six cases, one of which was fatal in 2015.**

Outbreaks are still occurring in today's world. Keep risks low by ensuring patients are fully vaccinated.

Using the IIS to Get Patients Up to Date!

The IIS has several tools that can assist providers in improving clinic coverage rates. The following tools are used to assess and increase coverage.

1. Assess current coverage using the **Coverage Rate Report**.
2. Use **Reminder/Recall** to identify patients who are not up to date.
3. Use the **Forecasting Tool** to identify which vaccines a patient needs in the future.

Assess your percentage of patients that are up
to date



COVERAGE RATE REPORT

Running the Coverage Rate Report



1. Select **Report Module** under **Reports** in the left menu
2. Select **Coverage Rate Report**
3. Run **By Ownership**
4. Select a **Series**
5. Enter an **Age Range**

A screenshot of the 'Coverage Rate Report' configuration form. The form has a dark blue header with the title 'Coverage Rate Report'. Below the header, there are several sections:

- Run By**: A section with two radio buttons. The first is 'By Ownership' with a blue square containing the number '3' next to it. The second is 'By Service'.
- Specify Age Range**: A section with a 'Series*' dropdown menu showing '1 TDAP, 1 MCV, 1 HP' and a blue square with the number '4' next to it. To the right of the dropdown is a link for 'Series Description'. Below this are two rows of input fields: 'From: 11' and 'Through: 12', each followed by a 'Years' dropdown menu. A blue square with the number '5' is positioned between the 'Series*' dropdown and the 'From' field.
- Age as of Date**: A text input field with the label '(Today's date if left blank)'.
- Evaluate At Age**: A text input field followed by the word 'Months'.

Running the Coverage Rate Report

6. Select **Active Only** for **Patient Status**
7. Select **Valid Vaccinations Only** for **Vaccine Status**

Limit Report By

Patient Status	<input checked="" type="radio"/> Active Only	<input type="radio"/> Inactive Only	<input type="radio"/> All
Vaccine Status	<input type="radio"/> All Vaccinations	<input checked="" type="radio"/> Valid Vaccinations Only	

8. Select measures to display.

Display Report Columns

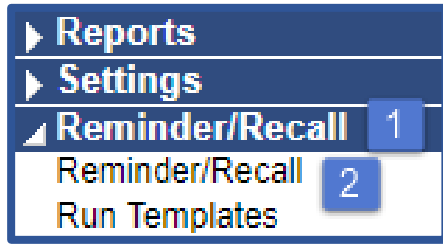
- Complete By Vaccine
- Incomplete Series
- One Dose to Complete Series
- One Visit to Complete Series (Multiple doses needed but could be given with one visit to vaccinator)
- Up-to-date
- Late up-to-date
- Missed Opportunities

9. Select a report output.

Identify patients who are not up to date

REMINDER/RECALL

Set up Reminder/Recall



1. Select **Reminder/Recall** from the left menu
2. Select **Reminder/Recall** again
3. Select **For all patients you own** (“By Ownership”)
4. Select a **Due Date Timeframe**

How do you want to run this Reminder/Recall?

- 3 For all patients you own
 For all patients you have seen at your facility
 Include Inactive Patients (Excluding deceased)

4 Due Date Timeframe:

Set up Reminder/Recall

Who do you want to Contact?

Patient Location: Facility
NICOLE'S
VFC CLINIC
2

5 Patient Age Range # of Select # of Select

Patient Birth Date From Through

Patient Gender

Exclude patients who were sent a notification in the last:
of Days Weeks Months Years

Advanced

Which vaccines would you like to include?

6 x ?

Vaccine Family	4313314 Number of doses in this series
DTaP/DT/d	4
HIB	3
POLIO	3
HEP-B 3 DOSE	3
MMR	1
VARICELLA	1
PNEUMO (PCV)	4

7 I only want to see my patients who are:
 Due for all selected vaccines
 One dose away
 One visit to complete the series

8

Clear

5. Enter a **Patient Age Range** or **Birth Date Range**

6. Select a **Vaccine Series** or **Custom** to choose specific vaccines & dose #s

7. Select **Due for all selected vaccines**

8. Click **Generate Patient List** button

Preview & Edit Patient List

- Remove patients
- Inactivate patients
- Limit by contact method
- Remove patients after certain number of contacts.

What patients do you want to add to your recall group?

Remove Patients who don't have an available
 Name Phone Address Email

Remove Patients who have received more than notifications.

	Last	First	Age	Vaccines Due	Available Contact Methods	R/R Attempts	Reason for Inactivation
<input checked="" type="checkbox"/>	BEAR	KODIAK	3	6		1	Select
<input checked="" type="checkbox"/>	FOUR	NICOLE	2	3		1	Select
<input checked="" type="checkbox"/>	PAD	LILY	2	9		1	Select

Showing 1 to 3 of 3 entries

PreviousNext

Uncheck to remove patients

Use these fields to inactivate patients

9

Export Patient List | Submit

Choose Reminder/Recall Output



What do you want to do with your selected recall group?



Generate A Patient List



Print Letters



Generate Auto-Dialer Content



Generate Mail-Merge



Create Custom Post Cards



Create Avery 8387 Postcards



Print Labels



Save As a Patient Group (Cohort)



Send Email

Run Reminder/Recall Output

Reminder/Recall

Instructions

Notes:
 Selecting to generate a patient list will display the reminder recall criteria from the generated final patient list, and list of vaccines due for each patient.

Click **Run** to Check this box to count your attempts

Make this count towards number of recall attempts

Save as Template Run

Click here to run report

Patient Recall Group Listing by Ownership

Report Criteria Report Date: July 15, 2016

Organization (IRMS): NICOLE'S TEST
Recall Date: 01/01/1900 through 07/15/2016
Birth Date Range: 09/16/2012 through 07/15/2014
Include Inactive Patients: No
State: All
High Risk Category: All
Deferred Vaccinations Only: No
Vacc. Families: DTaP/DT/Td, HEP-B 3 DOSE, HIB, MMR, PNEUMO (PCV), POLIO, VARICELLA

Facility: NICOLE'S VFC CLINIC 2
Health Plan: All
Physician: All
Program: All
County/Parish: All
Zip Code: All
District/Region Number: All

Total Patients Selected: 3

Patient ID	First Name	Middle Name	Last Name	Birthday	Guardian F.N.	Phone Number	Chart Number
6190144	KODIAK		BEAR	05/25/2013	YAYA		
	Vaccine Family Name		Dose Number	Recommended Date		Minimum Date	
	HIB		1	07/25/2013		07/08/2013	
	POLIO		2	09/26/2013		08/23/2013	
	PNEUMO (PCV)		4	05/25/2014		05/25/2014	
	VARICELLA		1	07/11/2016		07/11/2016	

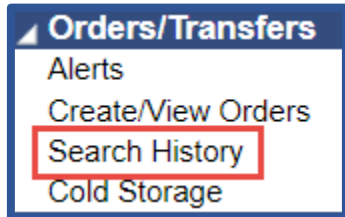
Other items to note

PREPARING FOR INCREASE IN PATIENT VISITS,
FORECASTING, AND PRINTING RECORDS

Preparing for Higher Patient Volume

- ✓ Ensure you have enough vaccine to meet higher demand.
 - Look at how many patients are included in the **Reminder/Recall** output.
 - Review **Order History** and **Vaccination Totals** for the same timeframe last year.
- ✓ Place vaccine order and allow two weeks to receive vaccines.
 - Include comments in the order to explain higher than normal order quantities (e.g. back to school)

Review Vaccine Order History



1. Select **Search History** under **Orders/Transfers** in the left menu
2. Select the **Orders** radio button
3. Enter in a **Submit Date Range**
4. Select **Vaccine(s)** or leave blank to select all
5. Click **Search** or **Export Report**

A screenshot of the 'Search History' form. The form has a blue header with the title 'Search History'. Below the header are four radio buttons: 'Orders' (selected and highlighted with a red box), 'Transfers', 'Returns', and 'Wastage'. There are several input fields: 'Facility' (with a dropdown menu), 'PIN', 'Submit Date' (with a date range 'From: 07/01/2017 Through: 09/30/2017' highlighted in red), 'Receipt Date', 'Approval Date', and 'Denial Date', each with 'From' and 'Through' sub-fields. A 'Vaccine' field contains a list of vaccine options, with the entire list highlighted in red. The list includes: '-- Any 0.5mL single dose brand made available -- 2018-2019', '-- Any multi-dose brand made available -- 2018-2019', '3-18 YEARS: FluLaval 0.5mL single dose '17-18', '3-18 YEARS: Fluzone MDV '17-18', '6-35 MONTHS: FluLaval® 0.5mL single dose '17-18', '6-35 MONTHS: FluLaval® 0.5mL single dose '17-18...wrong', '6-35 MONTHS: Fluzone® 0.25mL single dose '17-18', 'ACTHIB', 'ACTHIB.', and 'ADACEL'. Blue callout boxes with numbers 2, 3, and 4 point to the 'Orders' radio button, the 'Submit Date' range, and the 'Vaccine' list respectively.

Review Vaccination Totals



1. Select **Report Module** under **Reports** in the left menu
2. Select the **Vaccination Totals** report
3. Select **Vaccines** or leave blank to select all
4. Enter **Vaccination Dates**
5. Select radio button and enter **Patient Age Range**

A screenshot of the 'Vaccination Totals Report' form. The form has a dark blue header with the title 'Vaccination Totals Report'. Below the header, there are several sections:

- A checkbox labeled 'Include Historical Vaccinations' which is unchecked.
- A section titled 'Limit Report By' containing:
 - A radio button selected for 'Facility' with the value 'NICOLE'S VFC CLINIC 2' displayed next to it.
 - An unchecked checkbox for 'Vaccination VFC Status' with a dropdown menu showing '--select--'.
- A section titled 'Vaccines' containing:
 - An 'Unselected' list with a scroll bar, containing the following items: AS03 Adjuvant, Adenovirus types 4 and 7, BCG, Botulinum Toxoid, and Botulism IG, human, intravenous. A blue callout box with the number '3' is positioned to the left of this list.
 - 'Add' and 'Remove' buttons with dropdown arrows.
 - A 'Selected' list which is currently empty.
- A section at the bottom containing:
 - A checked checkbox for 'Vaccination Dates' with a blue callout box with the number '4' next to it. To its right are two date input fields: 'From: 07/01/2017' and 'Through: 09/30/2017'.
 - An unchecked radio button for 'Patient Age Range' with a blue callout box with the number '5' next to it. To its right are two age range input fields: 'From: 11' and 'Through: 12', both followed by a 'Years' dropdown menu.

Review Vaccination Totals

6. Select the **Total Vaccinations by Vaccine** radio button
7. Click **Create Report**

Display By

All Half Hour Hour Day

Total Vaccinations by Vaccinator

Total Vaccinations by Program

Total Vaccinations by Health Plan

Total Vaccinations by Zip Code

Total Vaccinations by State

Total Vaccinations by County/Parish

Total Vaccinations by District/Region

Total Vaccinations by Vaccine **6**

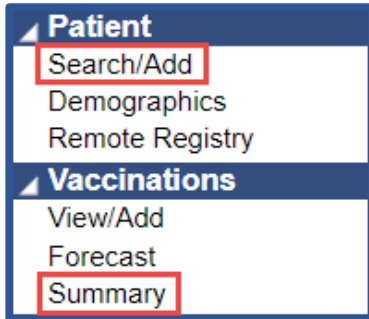
7

Back Reset Create Report

Total Vaccinations Selected: 44

Vaccine	Number of Vaccinations
HPV, unspecified formulation	4
HPV9	6
Hep A, ped/adol, 2 dose	1
Hep B Ped/Adol - Preserv Free	1
IPV	1
Influenza inj quadrivalent w/presv. 36+ mos	1
MMR	1
Tdap	13
influenza, injectable, quadrivalent	1
influenza, injectable, quadrivalent, preservative free	1
meningococcal MCV4P	13
varicella	1

Review Vaccination Forecast



1. Search for patient
2. Select **Summary** under **Vaccinations** in the left menu
3. **Summary** screen displays the patient's vaccination history and forecast

Vaccination Forecast					
The forecast automatically switches to the accelerated schedule when a patient is behind schedule.					
Vaccine Family	Dose	Recommended Date	Minimum Valid Date	Overdue Date	Status
DTaP/DT/Td	1	08/24/2017	08/05/2017	09/24/2017	Past Due
HIB	1	08/24/2017	08/05/2017	09/24/2017	Past Due
PNEUMO (PCV)	1	08/24/2017	08/05/2017	09/24/2017	Past Due
POLIO	1	08/24/2017	08/05/2017	09/24/2017	Past Due
FLU	1	12/24/2017	12/24/2017	01/23/2018	Past Due
HEP-A	1	06/24/2018	06/24/2018	06/24/2019	Due Now
MMR	1	06/24/2018	06/24/2018	10/24/2018	Due Now
VARICELLA	1	06/24/2018	06/24/2018	10/24/2018	Due Now
HPV	1	06/24/2028	06/24/2026	06/24/2030	Up to Date
MENINGOCOCCAL	1	06/24/2028	06/24/2027	06/24/2030	Up to Date

Print Certificate of Immunization Status



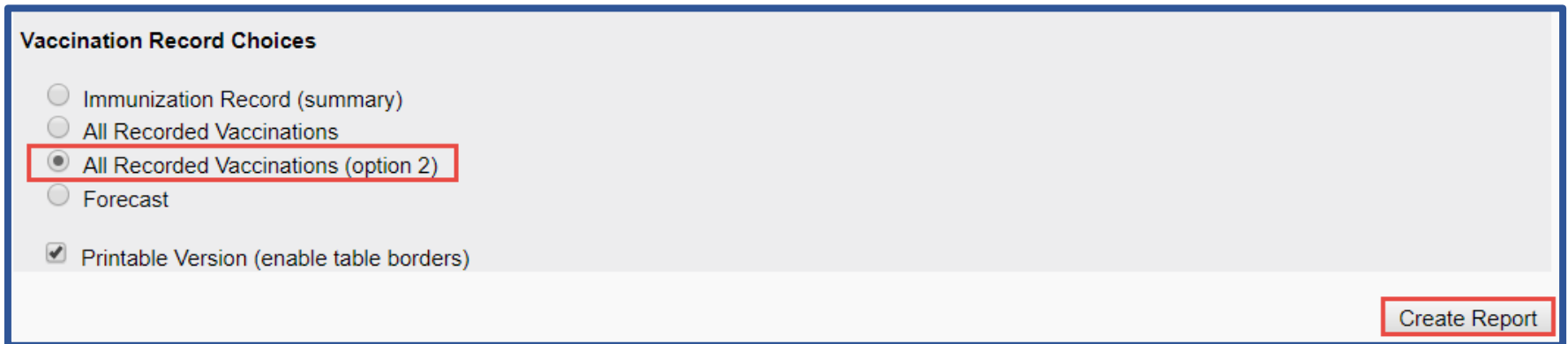
1. Search for patient
2. Select **+** next to **Patient Specific Reports** at the bottom of the **Patient Demographics** screen
3. Click **Certificate of Immunization Status (CIS)**
4. Select **Certificate Type** and **Series**
5. Click **Create PDF**

A screenshot of a web form titled 'Certificate of Immunization Status (CIS)'. The form has two dropdown menus. The first is labeled 'Certificate Type:' and has 'School' selected. The second is labeled 'Series:' and has 'GRADE K-5' selected. At the bottom right of the form, there are two buttons: 'Back' with a close icon (X) and 'Create PDF' with a right-pointing arrow icon.

Print Patient Record



1. Search for patient.
2. Select **Patient Record** under **Reports** in the left menu
3. Select **All Recorded Vaccinations (option 2)** to show entire vaccination history and forecast
4. Click **Create Report**



A screenshot of a form titled 'Vaccination Record Choices'. The form has a light gray background and a dark blue border. It contains four radio button options and one checked checkbox. The 'All Recorded Vaccinations (option 2)' option is selected and highlighted with a red rectangular box. The 'Printable Version (enable table borders)' checkbox is checked. In the bottom right corner, there is a 'Create Report' button, also highlighted with a red rectangular box.

Vaccination Record Choices

- Immunization Record (summary)
- All Recorded Vaccinations
- All Recorded Vaccinations (option 2)
- Forecast
- Printable Version (enable table borders)

Create Report

Immunization Quality Improvement

- ✓ Assess your clinic's **Coverage Rates** using the IIS.
- ✓ Use **Reminder/Recall** to get kids back into the clinic for vaccinations.
- ✓ With each visit, review the **Forecast** to remind patients which vaccines will be due soon.
- ✓ Print a **Patient Record** showing which vaccines are coming due and schedule their next appointment, if needed.
 - Parents/patients can also sign up for [MyIR](#) to access their IIS immunization record or Certificate of Immunization Status for school/child care entry.
- ✓ **Next up:** Resources for your clinic.

Immunization Resources for Clinics & Patients

Reminder/Recall

- [Order Reminder/Recall cards](#)
- [Printable adolescent reminder/recall cards](#)

School & Childcare Immunizations

[Webpage](#) about school and childcare vaccine requirements.

Plain Talk about Childhood Immunizations

[Booklet](#) for parents that covers immunizations recommended from birth through the teen years (available to order in English & Russian [here](#))

Conversation Guide for Healthcare Professionals

An [evidence-based approach](#) to having conversations about vaccines with parents.

Immunization Information for Healthcare Providers

[Webpage](#) to access a variety of topics and printable materials.



Immunization Resources for College Students

Educational resources for Meningococcal, HPV, Flu and many more vaccines! Access the DOH College Immunization webpage [here](#).



IIS Training and Support

IIS Questions & Assistance

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

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IIS.Training@doh.wa.gov

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IIS News
January 2017

WASHINGTON STATE
IMMUNIZATION
INFORMATION SYSTEM

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www.doh.wa.gov/trainingIIS

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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