

Quick Reference Guide: Coverage Rate Report Module

Last Revised: 10/2024

Overview

The Coverage Rate Report Module allows Wyoming Immunization Registry (WyIR) users to run various reports on immunization coverage rates, missed opportunities, and patient lists for their assigned facility.

A coverage rate is the percentage of a population that has been vaccinated appropriately among those that were eligible for vaccination. For example, if there are 10 patients, and 8 have received all 3 doses of the hepatitis B vaccine, the coverage rate for hepatitis B vaccine is 80%.

A missed opportunity is any contact with health services by a patient who is eligible for vaccination that does not result in the patient receiving one or more of the vaccine doses for which they are eligible. Missed opportunities on WyIR reports are calculated based on the forecast. For example, if in the WyIR a patient is forecasted for both Tdap and HPV vaccinations on the same date, and the patient only receives a Tdap vaccine, a missed opportunity will be calculated for HPV.

Assessing and monitoring immunization coverage rates is a best practice for improving and maintaining immunization services at the provider level. It can help:

1. Identify areas for improvement
2. Assess program success
3. Identify program weaknesses
4. Study disease epidemiology
5. Prioritize vaccination strategies

How to get started

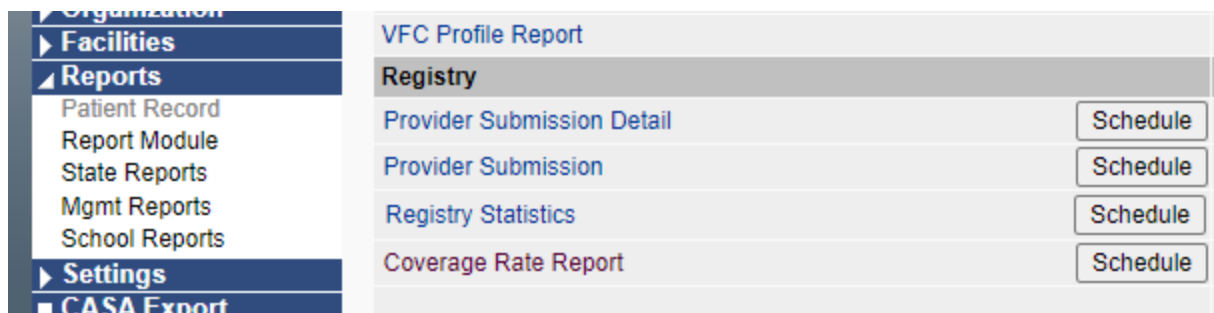
Click the “Reports” option from the left-side navigation menu, and then click “Report Module.” The “Report Module” page opens. Under the heading “Registry,” click on “Coverage Rate Report.”



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The “Coverage Rate Report” screen will open.

Select the following criteria to obtain your facility’s report:

1. Run by
 - a. “By Ownership” (this is the default selection)
2. Series
 - a. Select from the dropdown menu. You may click on “Series Description” to learn more about which vaccines and number of doses are included in a series report.
 - i. “Childhood 4313314,” “Adolescent,” “Older Adolescent,” or “HPV 1 or 2 Dose” reports are recommended for IQIP-related quality improvement and monitoring activities.
 - b. Only one report can be selected at a time.
3. Age Range
 - a. Enter the age range desired for the report.
 - i. **IMPORTANT** - For accurate reports, the age range must be entered in months.
 1. Examples:
 - a. For 2 year olds, input 24-35 months
 - b. For 13 year olds, input 156-167 months
4. Patient Status
 - a. Default selection is “Active Only”
5. Vaccine Status
 - a. Default selection is “Valid Vaccinations Only”

Note: Coverage reports can only be created for your own Organization and Facility. County and state coverage rates are not available through this WylR function. For assistance with county and state coverage rates, please reach out to the Immunization Unit.

The checkbox for “Exclude patients who have either no forecast or aged out” can be useful when creating patient lists. This option will exclude any patients who have completed a vaccine



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series or are no longer eligible for a particular vaccination due to age (i.e. rotavirus after 8 months of age). This will help keep patient lists limited to those who are not up to date or have doses due soon.

Coverage Rate Report	
Run By	
<input checked="" type="radio"/> By Ownership	
<input type="radio"/> By Service	
Select to run by series or individual vaccine	
<input type="radio"/> Series *	--select-- Series Description
<input type="radio"/> Vaccine	--select--
Vaccine Date Range	From: mm/dd/yyyy To: mm/dd/yyyy
<input checked="" type="radio"/> Age Range	From: <input type="text"/> --select--
	Through: <input type="text"/> --select--
Age as of Date (Todays date if left blank)	<input type="text"/>
Evaluate At Age	<input type="text"/> Months
Limit Report By	
State Level Status	<input checked="" type="radio"/> Active Only <input type="radio"/> Inactive Only <input type="radio"/> Unknown <input type="radio"/> All
County Level Status	<input checked="" type="radio"/> Active Only <input type="radio"/> Inactive Only <input type="radio"/> Unknown <input type="radio"/> All
	County: --select--
Organization Level Status	<input checked="" type="radio"/> Active Only <input type="radio"/> Inactive Only <input type="radio"/> All
Patient VFC Status	Select...
Vaccine Status	<input type="radio"/> All Vaccinations <input checked="" type="radio"/> Valid Vaccinations Only <
Patient Race	Select...
Gender	--select--
District/Region	--select--
Patient County	--select--
ZIP Code	<input type="text"/>
<input type="radio"/> Organization	--select--
<input type="radio"/> Organization Group	--select--
<input checked="" type="radio"/> Do Not Limit	
<input type="radio"/> Facility	--select--
<input type="radio"/> Facility Group	--select--
<input checked="" type="radio"/> Do Not Limit	
<input type="checkbox"/> WyVIP Pin	--select--
<input type="checkbox"/> Exclude patients who have either no forecast or aged out	

The default selection under the “View By” menu is “Aggregate (total only.” This is the correct selection.

If the desired result is a coverage rate report, select “Complete by Vaccine” under “Display Report Columns.”



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View By	
<input type="radio"/> District/Region	
<input type="radio"/> County/Parish	
<input type="radio"/> ZIP Code	
<input type="radio"/> Organization	
<input type="radio"/> Organization Group	
<input type="radio"/> Facility	
<input type="radio"/> Facility Group	
<input type="radio"/> VFC PIN	
<input checked="" type="radio"/> Aggregate (Total Only)	
Display Report Columns	
<input type="checkbox"/> Complete By Vaccine	
<input type="checkbox"/> Incomplete Series	
<input type="checkbox"/> One Dose to Complete Series	
<input type="checkbox"/> One Visit to Complete Series (Multiple doses needed but could be given with one visit to vaccinator)	
<input type="checkbox"/> Not Yet Due	
<input type="checkbox"/> Not Yet Due (Late by Age)	
<input type="checkbox"/> Missed Opportunities	

There are a few options to creating a report output:

1. Export Patient List
 - a. This will create an Excel spreadsheet file listing patients meeting the criteria selected above. The file will download to your computer.
2. Create Patient List
 - a. This will open a new browser tab that will display the patients meeting the criteria selected above.
3. Export Coverage Report
 - a. This will create an Excel spreadsheet file with the coverage rate report data. The file will download to your computer.
4. Create Coverage Report
 - a. This will open a new browser tab that will display the coverage rate report data.

Examples of the coverage rate report and patient list are found below. Patient lists can be used in conjunction with coverage rate reports to identify those patients that are missing doses and are not up to date, to assist with reminder recall projects, and patient active/inactive status management.

Coverage Rate Report

Report Criteria Report Date: 10/25/2024

Run By: Ownership	10/25/2024	Age Range:	24 Months through 35 Months
As of Date: DTaP/DTT(4), Hib(3), POLIO(3), HEP-B 3 DOSE(3), MMR(1), VARICELLA(1), PNEUMO (PCV)(4)		Vaccine Date Range:	All
Vaccine:		County Level Status:	Active (All)
State Level Status: Active		Vaccine Status:	Valid Vaccinations Only
Organization Level Status: All		Gender:	All
Patient Race: WY		Patient County:	All
State: All		Zip Code:	All
District/Region:		Facility:	
Organization: 24 Months		Patient VFC Status:	All
Evaluate At Age:			
VFC PIN:			

Aggregate (Total Only)	Total Patients	Completion By Vaccine			Series Complete
		Vaccine	Count	Percentage	
TOTAL	19	DTaP/DTT(4)	11	(58%)	10 (53%)
		Hib	16	(84%)	
		POLIO	15	(79%)	
		HEP-B 3 DOSE	15	(79%)	
		MMR	14	(74%)	
		VARICELLA	13	(68%)	
PNEUMO (PCV)	12	(63%)			

Series-Specific Patient Forecast

Report Criteria

Run By: Ownership	10/25/2024	Age Range:	24 Months through 35 Months
As of Date: DTaP/DTT(4), Hib(3), POLIO(3), HEP-B 3 DOSE(3), MMR(1), VARICELLA(1), PNEUMO (PCV)(4)		Vaccine Date Range:	All
Vaccine:		County Level Status:	Active (All)
State Level Status: Active		Vaccine Status:	Valid Vaccinations Only
Organization Level Status: All		Gender:	All
Patient Race: WY		Patient County:	All
State: All		Zip Code:	All
District/Region:		Facility:	
Organization: 24 Months		Exclude patients who have completed or aged out: Y	
Evaluate At Age:			
VFC PIN:			

Patients selected: 9

Patient ID	Owning IRMS/Facility Id	Patient Name	Birthdate	Age	Gender	Program Eligibility	Guardian F.N.	Patient Phone Number	County	Zip Code	Chart Number
			08/11/2022	26 months	M						

Resources:

[Immunization Quality Improvement for Providers \(IQIP\)](#)

Questions? Please contact: WyIR Help Desk: 833-231-1451 or wyir.helpdesk@wyo.gov (WyIR Related)