

Quick Reference Guide: Coverage Rate Report Module

Last Revised: 10/2024

Overview

The Coverage Rate Report Module allows Wyoming Immunization Registry (WylIR) 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 WylIR reports are calculated based on the forecast. For example, if in the WylIR 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.”



**IMMUNIZATION
UNIT**

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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 WyIR 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

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	
☒ By Ownership	
☐ By Service	
Select to run by series or individual vaccine	
☐ Series *	--select-- Series Description
☐ Vaccine	--select--
Vaccine Date Range	From: mm/dd/yyyy To: mm/dd/yyyy
☒ Age Range	From: --select-- Through: --select--
Age as of Date (Today's date if left blank)	
Evaluate At Age	Months
Limit Report By	
State Level Status	☒ Active Only ☐ Inactive Only ☐ Unknown ☐ All
County Level Status	☒ Active Only ☐ Inactive Only ☐ Unknown ☐ All
County	--select--
Organization Level Status	☒ Active Only ☐ Inactive Only ☐ All
Patient VFC Status	Select...
Vaccine Status	☐ All Vaccinations ☒ Valid Vaccinations Only <
Patient Race	Select...
Gender	--select--
District/Region	--select--
Patient County	--select--
ZIP Code	
☐ Organization	--select--
☐ Organization Group	--select--
☒ Do Not Limit	
☐ Facility	--select--
☐ Facility Group	--select--
☒ Do Not Limit	
☐ WyVIP Pin	--select--
☐ 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.”

View By	
☐ District/Region	
☐ County/Parish	
☐ ZIP Code	
☐ Organization	
☐ Organization Group	
☐ Facility	
☐ Facility Group	
☐ VFC PIN	
☒ Aggregate (Total Only)	

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)	
☐ Not Yet Due	
☐ Not Yet Due (Late by Age)	
☐ 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
As of Date: 10/25/2024
Series: DTaP/DT/Td(4), Hib(3), POLIO(3), HEP-B 3 DOSE(3), MMR(1), VARICELLA(1), PNEUMO (PCV)(4)
Vaccine: Active
State Level Status: Active
Organization Level Status: All
Patient Race: All
State: WY
District/Region: All
Organization: 24 Months
Evaluate At Age: All
VFC PIN:

Age Range: 24 Months through 35 Months
Vaccine Date Range: All
County Level Status: Active (All)
Vaccine Status: Valid Vaccinations Only
Gender: All
Patient County: All
Zip Code: All
Facility: All
Patient VFC Status: All

Aggregate (Total Only)	Total Patients	Completion By Vaccine			Series Complete
TOTAL	19	DTaP/DT/Td	≥4	11 (58%)	10 (53%)
		Hib	≥3	16 (84%)	
		POLIO	≥3	15 (79%)	
		HEP-B 3 DOSE	≥3	15 (79%)	
		MMR	≥1	14 (74%)	
		VARICELLA	≥1	13 (68%)	
		PNEUMO (PCV)	≥4	12 (63%)	

Series-Specific Patient Forecast

Report Criteria

Run By: Ownership
As of Date: 10/25/2024
Series: DTaP/DT/Td(4), Hib(3), POLIO(3), HEP-B 3 DOSE(3), MMR(1), VARICELLA(1), PNEUMO (PCV)(4)
Vaccine: Active
State Level Status: Active
Organization Level Status: All
Patient Race: All
State: WY
District/Region: All
Organization: 24 Months
Evaluate At Age: All
VFC PIN:

Age Range: 24 Months through 35 Months
Vaccine Date Range: All
County Level Status: Active (All)
Vaccine Status: Valid Vaccinations Only
Gender: All
Patient County: All
Zip Code: All
Facility: All
Exclude patients who have completed or aged out: Y

Patients selected: 9

Patient ID	Owning IRMS/Facility Id	Patient Name	Birthday	Age	Gender	Program Eligibility	Guardian F.N.	Patient Phone Number	County	Zip Code	Chart Number
			08/11/2022	26 months	M						
		Vaccine Group Name		Dose Number				Recommended Date			Minimum Date
		DTaP/DT/Td		2				12/11/2022			11/10/2022
		Hib		2				12/11/2022			11/10/2022
		POLIO		2				12/11/2022			12/08/2022
		HEP-B 3 DOSE		3				02/11/2023			01/26/2023
		MMR		1				08/11/2023			08/11/2023
		VARICELLA		1				08/11/2023			08/11/2023
		PNEUMO (PCV)		2				12/11/2022			11/10/2022

Resources:

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

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



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