

# Adult Immunization Assessment

## MIIC USER GUIDANCE TRAINING RESOURCE

The adult immunization assessment report in the Minnesota Immunization Information Connection (MIIC) shows the up-to-date adult immunization rates for a group of people. Health care providers and local public health agencies are encouraged to use this feature to monitor immunization rates and conduct outreach to ensure that adults receive age-appropriate vaccinations.

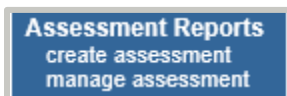
This feature produces a summary report. The summary report includes up-to-date immunization rates for a selected group of adults with information on vaccinations with tetanus, diphtheria, and acellular pertussis (Tdap), tetanus and diphtheria (Td)/Tdap, pneumococcal conjugate (PCV13), pneumococcal polysaccharide (PPSV23), human papillomavirus (HPV), and Zoster vaccines.

This guide describes how to use, and interpret results from, the adult immunization assessment report feature in MIIC.

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## Getting Started

1. Log into MIIC using your organization code, username, and password.
2. In the left-hand navigation of the registry, go to “Assessment Reports” then select “create assessment.” This will take you to the assessment reports page. If you do not have access to these menu items, contact your regional coordinator for assistance.



3. If you want to review assessment cohorts that you have already made, click on “manage assessment.” MIIC saves assessment cohorts for 30 days.

## Choosing a Population to Assess

The assessment reports section allows users to choose a population to assess:

**Adult Vaccinations**

Standard (Adults 18 years and older)

Use Existing List

Custom Population

- A standard population of adults 18 years and older
- A population defined by an existing list within MIIC
- A custom user-defined population

This guide will only discuss adult assessment reports. Find more information on the other types of reports at [Immunization Assessment: MIIC User Guidance and Training Resources](https://www.health.state.mn.us/people/immunize/miic/train/assess.html) (<https://www.health.state.mn.us/people/immunize/miic/train/assess.html>).

Option	Why use this option?
Standard (Adults 18 years and older)	This is the standard adult age range. The assessment date will be the report run date.
Use existing list	<p>This is helpful to use when you have a defined population (e.g., adults due for their Zoster vaccine, etc.). This report assesses up-to-date status for all of the members on a list, even if they are not adults. The list must be previously created in MIIC.</p> <p>This is the only option that allows users to get information about clients who are not associated with their organization (i.e., clients who have not received an immunization from their organization or had historical data entered by their organization).</p> <p>This option allows you to set an assessment date.</p>
Custom population	<p>Choose this option to define a custom population (i.e., a different age range than 18 years and older).</p> <p>This option also allows you to set an assessment date.</p>

## Creating Assessments

This section will describe how to create the three types of reports.

## Creating an Assessment Using the Standard Report

1. Within the “Assessment Report” page, choose “Standard (Adults 18 years and older).” This will take you to the “Standard Adult Assessment Report” page. The birth date range will automatically calculate for adults who are 18 years and older as of the day you are running the report. This means that it will include those who just turned 18 on the day that you are running the report through your oldest client.

**Adult Vaccinations - Adults 18 Years and Older**

**Age Range**

Adults 18 Years and Older as of 12/03/2020 Birth date before 12/04/2002

2. Most users will skip to step three below, however, local public health agencies will have an additional option to set the **client associations** for the assessment. This allows public health organizations to conduct either clinic-based or population-based assessments.
  - **Clients associated with organization:** This option selects all clients within MIIC who are associated with your organization (received an immunization from your organization or had historical data entered by your organization) and are 18 years or older as of the date the report is ran. Use this option for clinic-based assessments.
  - **Clients residing in selected counties below:** This option selects all clients within MIIC that reside in the selected counties. Use this option for population-based assessments.
    - After selecting the county or counties, you must click the “Add” button. Continue until you have chosen all of the counties you want to include in the report. If you have counties in the “Selected Counties” box that you do not want, highlight the county and click the “Remove” button.

**Client Associations**

Clients Associated with MIIC  
 Clients Residing in Selected Counties below  
 Clients within MIIC or Residing in Selected Counties

<p><b>Available Counties</b></p> <div style="border: 1px solid gray; padding: 5px;">             AITKIN              ANOKA              BECKER              BELTRAMI              BENTON              BIG STONE              BLUE EARTH           </div>	<div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;">Add &gt;</div> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;">Add All &gt;&gt;</div> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;">&lt; Remove</div> <div style="border: 1px solid gray; padding: 5px;">&lt;&lt; Remove All</div>	<p><b>Selected Counties</b></p> <div style="border: 1px solid gray; height: 80px; width: 100%;"></div>
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3. You have the option to enter a name for the assessment in the box next to “Assessment Name.”

- Click the “Generate” button. Refer to the [Interpreting and Using Report Findings](#) section in this document for steps on processing and viewing the reports.

## Creating an Assessment Using an Existing List

- Within the create assessment report section, choose “Use Existing List.”
- On the next page, select the appropriate existing list from the list drop-down menu.

**Note:** MIIC displays the lists in alphabetical order.

- Find more information on how to create a list at [Using Lists in MIIC: MIIC User Guidance and Training Resources](https://www.health.state.mn.us/people/immunize/miic/train/uselists.html) (<https://www.health.state.mn.us/people/immunize/miic/train/uselists.html>).
- The “Assessment Date” allows you to calculate the vaccination status as of a certain date.
- You have the option to enter a name for the assessment in the box next to “Assessment Name.”

- Click the “Generate” button. Refer to the [Processing and Viewing the Reports](#) section for the next steps.

## Creating an Assessment Using a Custom Population

- Within the create assessment report section, choose “Custom Population.”
- Select the “Age Range” for clients to assess.

### Adult Vaccinations - Custom Population

**Age Range**

Beginning Age <input style="width: 50px;" type="text" value="60"/>	Age as of Date: <input style="border: 1px solid gray;" type="text" value="12/03/2020"/>	Birth date range of
Through Ending Age <input style="width: 50px;" type="text" value="60"/>		12/4/1959 through 12/3/1960

- a. Enter the beginning age in the “Beginning Age” box and enter the ending age in the “Through Ending Age” box.
    - The example above would look at adults who were 60 years old as of 12/03/2020 (i.e., those who turned 60 on 12/03/2020 up to those who were one day short of turning 61 years old).
    - The birth date range will calculate for the age that you select as soon as you click outside the “Through Ending Age” box or tab to the next field.
  - b. Change the “Age as of Date” box to show the birth date range for the clients you are assessing.
3. Most users will skip to step five below, however, local public health agencies will have an additional option to set the **client associations** for the assessment. This allows public health organizations to conduct either clinic-based or population-based assessments.
    - **Clients associated with organization:** This option selects all clients within MIIC that are associated with your organization (received an immunization from your organization or had historical data entered by your organization) and are 18 years or older as of the date you run the report. Use this option for clinic-based assessments.
    - **Clients residing in selected counties below:** This option selects all clients within MIIC that reside in the selected counties. Use this option for population-based assessments.
      - After selecting the county, you must click the “Add” button. Continue until you have chosen all of the counties you want to include in the report. If you have counties in the “Selected Counties” box that you do not want, highlight the county and click the “Remove” button.

### Client Associations

Clients Associated with MIIC  
 Clients Residing in Selected Counties below  
 Clients within MIIC or Residing in Selected Counties

<p>Available Counties</p> <div style="border: 1px solid gray; padding: 5px;">             AITKIN              ANOKA              BECKER              BELTRAMI              BENTON              BIG STONE              BLUE EARTH           </div>	<div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;">Add &gt;</div> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;">Add All &gt;&gt;</div> <div style="border: 1px solid gray; padding: 5px; margin-bottom: 5px;">&lt; Remove</div> <div style="border: 1px solid gray; padding: 5px;">&lt;&lt; Remove All</div>	<p>Selected Counties</p> <div style="border: 1px solid gray; height: 80px; width: 100%;"></div>
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- Most users will want to use the current date as the assessment date and go onto step six. However, some users will want to change the assessment date. For example, a user might want to assess a clinic’s rates over time and could go back to the first of the year (or any other date in the past) to get a baseline measurement. Use the calendar or enter the date in the mm/dd/yyyy format (slashes will auto-fill) to change the assessment date.

**Assessment Date**

Vaccination status will be calculated using only vaccinations administered prior to the assessment date.

- You also have the option to enter a name for the report in the box next to “Assessment Name.”

**Assessment Name**

(optional)

- Click the “Generate” button. Refer to the next section for steps for processing and viewing the reports.

## Processing and Viewing the Reports

- Once you have clicked the generate button to create any of the reports, the “Manage Assessments” page will open. New reports will appear under “Assessment Cohorts.”
- Click the “Refresh” button until the status column says “Ready.”

**Manage Assessments**

**Assessment Cohorts**

View	Delete	Assessment Name	Generated By	Count	Date Generated	Status
		Adult Standard	Sang Phung	(42914)	12/03 04:14:53 PM	Ready
		Adult List	Sang Phung	(42914)	12/03 04:14:35 PM	Ready
		Adult Custom	Sang Phung	(42914)	12/03 04:14:09 PM	Ready

- Click the view icon to go to the “Assessment Reports” page.
- The summary report will be the only option shown. Click on the box next to “Adult Summary Report (PDF)” and then “Generate Output” to generate the report.

**Assessment Reports**

Type: **Adult Standard (Adult Custom)** [Back to Manage Assessments](#)

Clients Residing in Selected Counties:

Generated By: \_\_\_\_\_ Age as of Date: **12/03/2020** Birth Date Range: **12/03/1902 - 12/03/2002**



**Output Options**

Adult Summary Report (PDF)

[Generate Output](#)

- The assessment reports will appear within the “Generated Reports” section. Click the “Refresh” button until the status column displays “100%.” This may take a few minutes.

**Generated Reports** [Refresh](#)

View	Delete	Report Type	Started	Status
		Summary Report	12/03 04:16:13 PM	100%

- Click the view icon (looks like a document) next to the corresponding report type to view the report.







## Managing Assessments

- If you ever want to delete an assessment cohort and the reports associated with it, navigate to the “Manage Assessments” page.

**Manage Assessments**

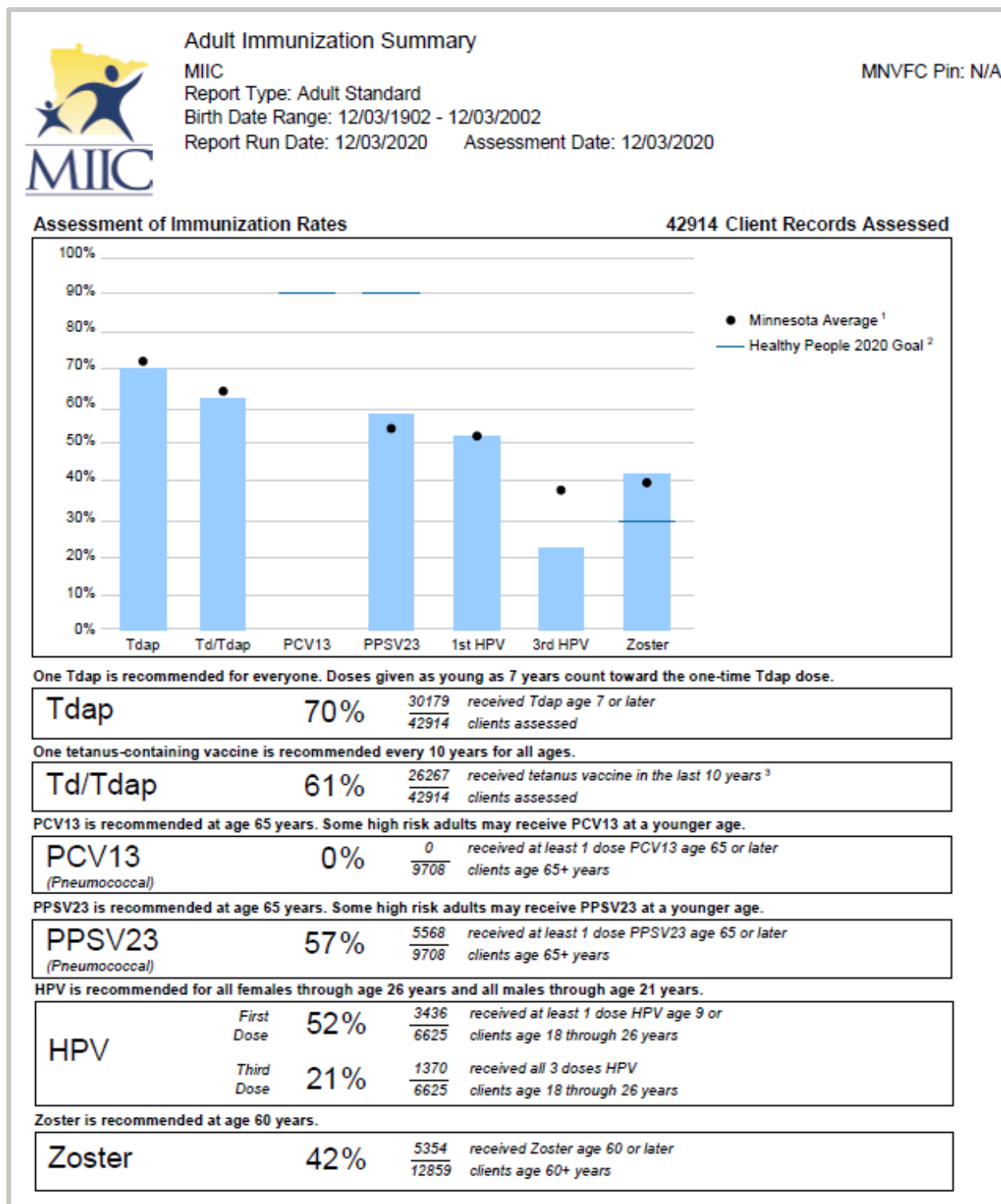
**Assessment Cohorts** [Refresh](#)

[Back to Create Assessment](#)

View	Delete	Assessment Name	Generated By	Count	Date Generated	Status
		Adult Standard	Sang Phung	(42914)	12/03 04:14:53 PM	<b>Ready</b>
		Adult List	Sang Phung	(42914)	12/03 04:14:35 PM	<b>Ready</b>
		Adult Custom	Sang Phung	(42914)	12/03 04:14:09 PM	<b>Ready</b>

- Click the delete icon  to delete a report. MIIC saves assessment cohorts for 30 days.

## Interpreting and Using Report Findings



1. The **Summary Report** displays the following:

- The report header displaying:



- Report name
  - Report type
  - List name (if running list)
  - Birth date range (if running standard or custom; based on the “Age as of Date”)
  - Report run date
  - Assessment date (this will always be the report run date for all child assessments)
  - Name of organization that is running the report
  - The number of client records assessed.
  - A bar graph displaying:
    - The percentage of the cohort who were up-to-date for the adult immunizations.
    - Minnesota statewide averages for the adult immunizations.
    - Healthy People 2020 goals for PCV13, PPSV23 and Zoster. There are currently no Healthy People 2020 goals for the other adult immunizations on the report.
  - Text displaying the percentage and number of the cohort who were up-to-date for the adult immunizations. Please note:
    - The Tdap and Td/Tdap rates include all clients assessed.
    - The Td/Tdap rate includes all clients who have received a Td or Tdap vaccine in the last 10 years.
    - The PCV13 and PPSV23 rates include all clients age 65 years and older.
    - The HPV rate includes both male and female clients age 18 through 26 years, as the vaccine is recommended for both.
    - The HPV “First Dose” percentage says how many of the clients assessed had at least one dose of HPV vaccine. The HPV “Third Dose” measurement shows how many had all three doses of HPV vaccine.
    - The Zoster rate includes all clients age 60 years and older.
2. When you run adult assessment reports, you may initially be surprised to find that the rates it shows are quite low. Three factors may be at play:
- **Too many patients.** A standard or custom report captures all adults in the specified age range who are associated with your organization in MIIC. When your organization administers vaccines or enters historical data, it creates an association. This means MIIC may count patients in your patient population who have moved away or changed providers since. Your MIIC regional coordinator can help you identify and de-associate former patients.
  - **Missing vaccine doses.** If your organization does not submit historical vaccine doses into MIIC or has experienced a lapse in data submission, some patient records could be

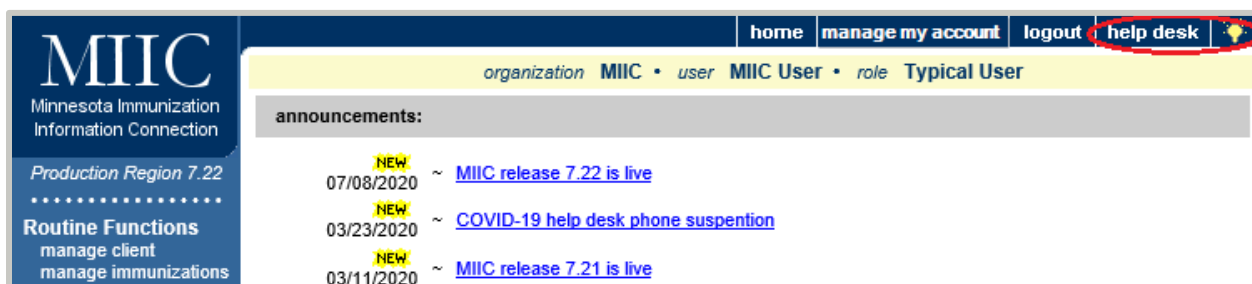
incomplete. Your MIIC regional coordinator can help you identify and resubmit missing data from your electronic health record system. In some cases, MDH can offer assistance with manual entry of vaccine records that exist only on paper.

- **Truly low rates.** Adult vaccination rates are generally lower than childhood or adolescent vaccination rates, but this does not have to be the case. Keep track of your efforts by regularly running adult immunization assessment reports, and consider using the MIIC client follow-up feature to identify and contact adults who are due or overdue for vaccination.

## MIIC Help

For assistance with running and interpreting the adult immunization assessment reports in MIIC, contact your MIIC regional coordinator. View their contact information at [MIIC Regions and Regional Coordinators](https://www.health.state.mn.us/people/immunize/miic/participate/regions.html) (<https://www.health.state.mn.us/people/immunize/miic/participate/regions.html>).

You can also send an email to the MIIC help desk using the “help desk” button on MIIC for any additional questions or use the light bulb icon to access additional user guidance resources.



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 PO Box 64975  
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 651-201-5207  
[health.miichelp@state.mn.us](mailto:health.miichelp@state.mn.us)  
[www.health.state.mn.us/people/immunize/miic](http://www.health.state.mn.us/people/immunize/miic)

12/04/2020

To obtain this information in a different format, call: 651-201-5207.