

Interpreting a MIIC Vaccination Record

MIIC USER GUIDANCE AND TRAINING RESOURCE

Purpose

This user guide helps Minnesota Immunization Information Connection (MIIC) users interpret the information in a client's MIIC vaccination record.

Example of a typical MIIC vaccination record

Client Name (First - MI - Last)		DOB	Gender	Mother's Maiden	Tracking Schedule	Chart Number
LORI D. BUGGS		07/08/1974	F		ACIP	
Address						
Comments						
<div>History</div> <div> Add Immunization Edit Client Reports Print Print Confidential </div>						
Vaccine Group	Date Administered	Series	Vaccine [Trade Name]	Owned?	Mat?	Edit
COVID Pandemic	04/07/2021	1 of 1	COVID-19, mRNA, LNP-S, PF, 30mcg/0.3mL [Cominaty-PFR 30mcg]	No		
	04/28/2021		COVID-19, mRNA, LNP-S, PF, 30mcg/0.3mL [Cominaty-PFR 30mcg]	No		
	01/19/2022		COVID-19, mRNA, LNP-S, PF, 30mcg/0.3mL [Cominaty-PFR 30mcg]	No		
	12/16/2022		C-19 mRNA, LNP-S, bivalent PF 30mcg [Cominaty-PFR Biv. 30mcg]	No		
Influenza	09/11/2013	Booster	Flu, trivalent, split virus [FluLaval trivalent]	No		
	10/21/2013	Booster	Flu, trivalent	No	Yes	
	09/30/2016	Booster	Flu, quadrivalent, pfree [Fluarix quad pfree]	No		
	12/16/2022	Booster	Flu, quadrivalent, pfree [Flucel quadr pfree]	No		
Td/Tdap	06/07/2014	1 of 4	Tdap [Boostrix 10+ yrs]	No		
Current Age: 51 years, 2 months, 25 days 1 day						
Vaccines Recommended by Selected Tracking Schedule						
Select	Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date	
<input checked="" type="checkbox"/>	COVID Routine	05/05/2021	05/05/2021	05/12/2021		Complete
<input checked="" type="checkbox"/>	HebB	07/08/1974	07/08/1974	07/08/1974		
<input checked="" type="checkbox"/>	Influenza	01/13/2023	12/16/2023	12/16/2023		
<input checked="" type="checkbox"/>	MMR	07/08/1975	07/08/1975	11/08/1975	07/07/2041	
<input checked="" type="checkbox"/>	Pneumo-conj	07/08/2024	07/08/2024	07/08/2025		
<input checked="" type="checkbox"/>	Td/Tdap	06/04/2014	06/04/2014	07/30/2014		
<input checked="" type="checkbox"/>	Varicella	07/08/1987	07/08/1987	07/08/1987	07/07/2034	
<input checked="" type="checkbox"/>	Zoster/shingles	07/08/2024	07/08/2024	07/08/2026		

Interpreting each segment

Client AKAs

In some records, you might see that a client has an "AKA" (also known as).

AKA: MICKEY MOUSE Birth Date: 12/31/2013

This means that the client is known in MIIC by more than one name, and you can find the client's vaccination record using any of those names. The AKA will appear in MIIC when someone changes a client's name on their vaccination record using the **Manage Client** option on the left-side navigation bar or **Edit Client** option at the top of the client's vaccination history.

Client comments

Many clients have comments in their vaccination record.

Comments {1 of 1} .. 06/01/2014 ~ History of Varicella / chicken pox

Comments can indicate several things, such as immunity to disease, medical exemptions, and vaccine refusals. Multiple comments can be listed in one record. To view all comments in a client record, find the **Comments** scroll bar at the top of the record and select the down arrow.

Vaccination information

Each vaccination listed in a client's record has details that are specific to that vaccination.

Vaccine Group	Date Administered	Series	Vaccine [Trade Name]	Dose	Owned?	Hist?	Edit
DTP/aP	02/28/2014	1 of 5	DTAP/Polio/Hep B [Pediarix ®]			Yes	

In this example, the vaccination information has the vaccine type, the date the vaccine was given, where the vaccine falls in a series, its trade name, if it is owned by the organization under which you are logged in, and if it is historical or newly administered.

- When the vaccine information indicates **No** in the **Owned?** column, this means that the organization you are logged in under did not enter that vaccine. Select the **No** to see the organization that entered it.
- When the vaccine information indicates **Yes** in the **Hist?** column, this means that an organization that did not administer the vaccine entered it as a **historical dose** in MIIC. Historical dose entries reflect the administering organization's written documentation.

When a vaccination is listed as NOT VALID

Occasionally, you might see a vaccination listed as **NOT VALID** on a client's record. Select the vaccination's administration date to the left of **NOT VALID** to find out why MIIC lists it as invalid.

MMR	01/20/2015	1 of 2	MMR	Yes	
	02/12/2015	NOT VALID	MMR	Yes	

This can happen for various reasons, including:

- When a vaccination does not follow the routine vaccination schedule a vaccination may be listed as invalid if the:
 - Vaccine was given before or after the recommended age.
 - Vaccine was given too close to another dose in a series (interval between doses is too short).
 - Vaccine was a live vaccine and given too close to another live vaccine (closer than 28 days).
- There was a vaccine storage and handling issue resulting in doses being invalid.

Clinical decision support tool

As part of a client's vaccination record, MIIC provides a clinical decision support tool that forecasts the client's vaccination needs. The tool aims to forecast routine immunizations needed based on the client's current age and vaccination history in MIIC.

Vaccines Recommended by Selected Tracking Schedule					Add Selected
Select	Vaccine Group	Earliest Date	Recommended Date	Overdue Date	Latest Date
<input checked="" type="checkbox"/>	DTP/aP	03/07/2015	03/30/2015	07/30/2015	12/29/2020
<input checked="" type="checkbox"/>	HepA	07/10/2016	07/10/2016	02/10/2017	
	HepB			Complete	
	Hib			Complete	
<input checked="" type="checkbox"/>	Influenza	06/30/2014	07/01/2016	12/30/2014	
<input type="checkbox"/>	MMR	03/12/2015	12/30/2017	12/30/2019	12/29/2069
<input checked="" type="checkbox"/>	Pneumo-conj	12/30/2015	12/30/2015	12/30/2015	12/29/2018
<input checked="" type="checkbox"/>	Polio	10/05/2014	10/05/2014	07/30/2015	12/29/2031
	Rotavirus			Maximum Age Exceeded	
	Varicella			Immune	

Several dates and labels may appear in the tool:

- For vaccinations that still need to be given, the tool provides users with the earliest date that the client could receive the vaccination, the date that is recommended for the client to receive the vaccination, the date that the vaccination will be overdue, and the latest date that would be appropriate for the client to receive the vaccination.

INTERPRETING A MIIC VACCINATION RECORD

- **Complete:** The vaccination or vaccination series has been given to the client appropriately. No further doses are recommended.
- **Maximum age exceeded:** Client is now too old to start or complete the vaccination series. No further doses are recommended.
- **Immune:** Client has a comment in their record that indicates they do not need this vaccine because they already have non-vaccine related immunity to the disease the vaccine prevents.
- **Medical Exemption:** Client has a comment in their record that indicates they should not receive this vaccine for medical reasons.
- **Refused:** Client has a comment in their record that indicates they or their parent/guardian have refused this vaccine.
- **Maximum Doses Met or Exceeded for Vaccine Group:** Client has received the maximum number of doses that they can receive for this vaccine group. No further doses are recommended.

Labels and dates in the tool may be color-coded for emphasis

Tool Visual	Meaning
[Date]	Vaccination currently falls between earliest date and recommended date.
[Date]	Vaccination currently recommended.
[Date]	Vaccination currently overdue.
[Date]	Previous dose given with combination vaccine, different recommended dates for next doses of individual antigens.
[Label]	Vaccination not recommended.

For more information on the MIIC forecaster visit [MIIC Forecaster Tool](http://www.health.state.mn.us/people/immunize/miic/train/forecastetool.pdf)
(www.health.state.mn.us/people/immunize/miic/train/forecastetool.pdf)

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