

Reporting Dose-Level Eligibility to MIIC

FOR THE MINNESOTA VACCINES FOR CHILDREN AND THE UNINSURED AND UNDERINSURED ADULT VACCINES PROGRAMS

Providers can submit Minnesota Vaccines for Children (MnVFC) and Uninsured and Underinsured Adult Vaccine (UUAV) program eligibility status at the vaccine dose-level to the Minnesota Immunization Information Connection (MIIC) through electronic data submissions.

What is dose-level eligibility?

Dose-level eligibility (DLE) is a person's program eligibility status or insurance status tracked at the vaccine dose-level.

Reporting DLE information

All immunization providers are encouraged to submit DLE information to MIIC. Clinics enrolled in the MnVFC program that practice the replacement method of vaccine management are required to submit DLE information to MIIC for all vaccines administered to patients ages 18 years and younger. Submitting DLE to MIIC is optional for clinics that are not in the MnVFC or UUAV programs and/or that use the separate stock method of vaccine management. Providers should discuss how to submit this information to MIIC using their current system with their technical staff and/or Electronic Health Record (EHR) vendor support.

Submitting DLE

To create a new electronic interface with MIIC to add DLE codes to your existing electronic interface, or to add new DLE codes if you are already sending some but need to expand, register your intent with the [MIIC Data Exchange Registration \(redcap.health.state.mn.us/redcap/surveys/?s=REAFWPYLAY\)](https://redcap.health.state.mn.us/redcap/surveys/?s=REAFWPYLAY). You can learn more about the [Process for Working on Data Exchange with MIIC \(www.health.state.mn.us/people/immunize/miic/data/dxprocess.html\)](https://www.health.state.mn.us/people/immunize/miic/data/dxprocess.html) before registering. Visit [Submitting and Exchanging Data with MIIC \(www.health.state.mn.us/people/immunize/miic/data/index.html\)](https://www.health.state.mn.us/people/immunize/miic/data/index.html) to review the specification guides, code sets, transportation options, and more.

Once you have submitted your registration, you will be placed in the onboarding queue until someone from our technical team has capacity to work with you to create or enhance an interface.

Organizations can use the general immunization spreadsheet template feature to load immunization data, including DLE, for a group of clients in MIIC. Visit [Submitting and Exchanging Data with MIIC \(www.health.state.mn.us/people/immunize/miic/data/index.html\)](https://www.health.state.mn.us/people/immunize/miic/data/index.html) to learn how to use the MIIC spreadsheet to load immunization data for any vaccine into MIIC.

DLE codes

DLE codes, also known as "funding eligibility codes," should be included in your data exchange. They can be submitted in one of these formats:

- HL7 2.5.1 r1.4/r1.5

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- HL7 2.3.1/2.4
- Flat file version 5

DLE codes for children age 18 years and under

Category	DLE code
Insured	V01
Minnesota Health Care Program (MHCP)	V02
Uninsured	V03
American Indian/Alaskan Native	V04
Underinsured (Patients with private insurance that does not cover the vaccine itself or has a cap)	V05

DLE codes for people age 19 and older

Category	DLE code
Insured	V01
317-UUAV	V23

Special use codes

Category	Special use codes
Unknown/not determined	V00
Special vaccine projects (MDH approved)	V07

For additional information reference [Dose-Level Eligibility Codes and Minnesota Vaccines for Children \(MnVFC\) and Uninsured and Underinsured Adult Vaccine \(UUAV\) Eligibility Status \(www.health.state.mn.us/people/immunize/hcp/mnvfc/dlecodes.pdf\)](http://www.health.state.mn.us/people/immunize/hcp/mnvfc/dlecodes.pdf).

Reporting DLE information in HL7 format

For submissions in HL7 2.3.1/2.4 and 2.5.1, the DLE information should be submitted in the Observation/ Result (OBX) segment. OBX segments of HL7 messages may also be used to record vaccine contraindications, precautions, immunity, exemptions, and reactions.

Learn more about the required fields of the OBX segment with the [MIIC HL7 2.5.1 v1.5 Update Guide \(www.health.state.mn.us/people/immunize/miic/data/hl7specs251.pdf\)](http://www.health.state.mn.us/people/immunize/miic/data/hl7specs251.pdf).

OBX segment information from the MIIC HL7 2.5.1 Specifications Guide

Field	Description	Usage	Comment	Code Table
3	Observation identifier	R	To send vaccine (dose)-level funding eligibility: <ul style="list-style-type: none"> Contains a unique identifier for the observation. The format is that of the Coded Element (CE). 64994- 7^funding pgm eligibility^LN . 	LOINC is standard coding for this field if an appropriate LOINC code exists.

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Field	Description	Usage	Comment	Code Table
			<ul style="list-style-type: none"> This indicates what this observation refers to. It poses the question that is answered by OBX-5. Value sets: NIP003. 	
5	Observation value	R	To send vaccine (dose)-level funding eligibility: <ul style="list-style-type: none"> Contains value for program funding code for this vaccine dose. Derived from screening at this visit or special program funding. Example: V04^VFC eligible NA/AN^HL70064 . 	HL7-Defined 0064 (MIIC-Defined: Dose-Level Eligibility Codes).
17	Observation method	C(R/O)	<ul style="list-style-type: none"> If OBX-3.1 is “64994-7” for sending “funding program eligibility,” then this field is used to distinguish between eligibility that is captured at the visit level versus at the immunization event level. Example: VXC40^per immunization^CDCPHINVS . This will always be at the “per immunization” level in MIIC. 	CDCPHINVS-Funding Eligibility Observation Method (IIS).

- Rows marked optional (O): Data may be sent if you have it, but MIIC may not process it.
- Rows marked required (R): Data must be submitted to MIIC.
- Rows marked C(R/O): Conditional. If the condition is met, this is required. Otherwise, it is optional.

Reporting DLE information in flat file format

DLE codes can be submitted in the MIIC flat file version 5. The codes would be included in the final three columns of the immunization file.

MIIC flat file information from the *MIIC Flat File Specifications Version 5*

Column	Data Type	Position	Default	Notes	Required
DLE code	Char(3)	264-266	V00	Indicates the eligibility of the client on the day a shot was given. Use the MIIC code set for “Eligibility.” If a valid eligibility code is not received on a new immunization, the record will be accepted, but an error will be generated and the default code (V00 - Unknown) will be entered. There may be different eligibility codes submitted for a particular visit.	X

For the complete HL7 or flat file specifications, visit [Submitting and Exchanging Data with MIIC \(www.health.state.mn.us/people/immunize/miic/data/index.html\)](http://www.health.state.mn.us/people/immunize/miic/data/index.html).

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To obtain this information in a different format, email health.miichelp@state.mn.us.