

ImmPact DX HL7 testing requirements and expectations

Dose Decrementing

- The EMR test region will closely represent the EMR's production region.
- The EMR will map the codes, for required fields, provided in Appendix A of the Maine HL7 spec.
- The EMR will map the CVX codes provided by the State.
- The EMR will demonstrate the ability to send **ALL** VFC Eligibility codes (OBX-5).
- The EMR will demonstrate the ability to send Non-administered.
- All patients sent into the IIS test region will be fictitious. **Do not send real PHI.**
- All locations that will interface with the Maine IIS will be tested.
- Each location will send several messages that will reflect approximately 5-10 % of their actual patient load. Additional messages may be requested.
- The expectation is that Reminder Recall will be allowed (02 any method) unless indicated differently by patient or guardian.
- Opt-Out – Demonstrate *do not send* capability. Patients who opt-out by submitting a non-participation form to the State have their record locked in the IIS user interface. Any HL7 messages sent for the patient will unlock the record.

Message example of required fields for dose decrementing:

```
MSH|^~\&|EPIC|MAINEHEALTH|IMPACT|MAINECDC|20200603085801|10163|VXU^V04^VXU_V04|32
43497|P|2.5.1|||||||10055
PID||E3229738^^EPIC^MR||MOUSE^MICKEY^G|MOUSE^MUM|20181106221700|F||2106-3|18C
DISNEY DRIVE^BUXTON^ME^04093^USA^^York||207^7564151
PD1||132888830^MOUSE^MINI||||||02^Reminder/Recall any
method^HL70215|N|20200630||A|20200630
NK1|1|MOUSE^MUM^D|MTH|18C DISNEY DRIVE^BUXTON^ME^04093^USA^^23031|207^7564151
NK1|2|MOUSE^MIGHTY|FTH|18C Disney DRIVE^BUXTON^ME^04093^USA^^23031|207-7564151
ORC|RE|176300616^EPC||||||109074^WHO^DOC^P||1528153830^WHO^DOC^P^^^EPIC^^^PNP|
RXA|0|1|20200630||83^HEPATITIS A VACCINE 0.5 ML^CVX|0.5|mL^mL^UCUM||00^NEW
IMMUNIZATION RECORD|^10055||||C2732|20211212|SKB^MVX
RXR|IM|LL|
OBX|1|CE|30963-3^VACCINE PURCHASED WITH^LN||PUBLIC^PUBLIC FUNDS^NIP008|||||F
OBX|2|CE|6994-7^VFC STATUS^STC||V02^MEDICAID//MEDICAID MANAGED CARE^HL70064|||||F
OBX|3|CE|30956-7^Vaccine Type^LN|1|83^HEPATITIS A^CVX|||||F||20200630112517
OBX|4|TS|29768-9^Date vaccine information sheet published^LN|1|20160720|||||F||20200630112517
OBX|5|TS|29769-7^Date Vaccine Information Sheet Presented^LN|1|20200630|||||F||20200630112517
```

Details of required fields:

MSH-4 will contain either the organization code or organization id of the sending location – codes are supplied by the State of Maine

MSH-22 will contain the organization id of the location administering the immunization – code is supplied by the State

PID – Messages with first name Girl or first name Baby will be rejected. If a patient is unnamed send NO FIRST NAME or NOFIRSTNAME in PID-5. If patient is un-name, mother's name is required in PID-6

PID-10 and **PID-11** – if included use codes supplied in Appendix A of the Maine HL7 spec

PID-11 – Demonstrate ability to send county. The format is the county name spelled out

PID-13 – if supplied by patient, include. Format is PID-13.6 three-digit area code; PID-13.7 seven digit phone number.

PD1-11 will be 02 unless patient declines inclusion in Reminder/Recall. 02 is the only value that will allow patients to be returned in the result of a Reminder/Recall report run by users in the IIS.

NOTE: if **PD1-11** is empty, the IIS will default to 02.

PD1-12 – If Protection Indicator is set to Y, other organization users get a warning that the patient does not wish to share. This is not a patient opt-out.

NK1 – Send next of kin/responsible person information. If none is given by the patient use SEL in NK1-3 and same name/address info from PID.

RXA-11.4 will contain the organization id of the location administering the immunization – code is supplied by the State. This code is linked to the inventory for dose decrementing.

OBX – If sending Vaccine Funding Source (30963-3) send in OBX|1|.

OBX – VIS revision dates in the IIS are updated per the CDC website <https://www.cdc.gov/vaccines/hcp/vis/vis-dates.html>

Message example of required fields for non-administered (historical):

```
MSH|^~\&|EPIC|MAINEHEALTH|IMPACT|MAINECDC|20200603085801|10163|VXU^V04^VXU_V04|32
43497|P|2.5.1|||||10055
PID||E3229738^^EPIC^MR||MOUSE^MICKEY^G|MOUSE^MUM|20181106|221700|F||2106-3|18C
DISNEY DRIVE^BUXTON^ME^04093^USA^^York||207^7564151
PD1||132888830^MOUSE^MINI|||||02^Reminder/Recall any
method^HL70215|N|20200630||A|20200630
NK1|1|MOUSE^MUM^D|MTH|18C DISNEY DRIVE^BUXTON^ME^04093^USA^^23031|207^7564151
NK1|2|MOUSE^MIGHTY|FTH|18C Disney DRIVE^BUXTON^ME^04093^USA^^23031|207-7564151
ORC|RE|176300616^EPC|||||109074^WHO^DOC^P||1528153830^WHO^DOC^P^^^EPIC^^^PNPI
RXA|0|1|20200630||83^HEPATITIS A VACCINE 0.5 ML^CVX|999|mL^mL^UCUM||01^HISTORICAL
IMMUNIZATION RECORD|||||C2732|20211212|SKB^MVX
RXR||M|LL|
OBX|1|CE|30963-3^VACCINE PURCHASED WITH^LN||PRIVATE^PRIVATE^NIP008|||||F
OBX|2|CE|6994-7^VFC STATUS^STC||V01^PRIVATE^HL70064|||||F
OBX|3|CE|30956-7^Vaccine Type^LN|1|83^HEPATITIS A^CVX|||||F||20200630112517
OBX|4|TS|29768-9^Date vaccine information sheet published^LN|1|20160720|||||F||20200630112517
OBX|5|TS|29769-7^Date Vaccine Information Sheet Presented^LN|1|20200630|||||F||20200630112517
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