ImmPact DX HL7 testing requirements and expectations

- 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 messages until MIP confirms state requirements have been met.
- The expectation is that Reminder Recall will be allowed (02 any method) unless indicated differently by patient or guardian. PD1-11 empty will be treated as 02.
- The expectation is that Sharing will be allowed (protection indicator = N) unless indicated differently by patient or guardian. PD1-12 empty will be treated as N
- 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 administered – including dose decrementing:

```
MSH|^~\&|EPIC|21672|IMMPACT|MAINECDC|20200603085801-0500|10163|VXU^V04^VXU_V04|
3243497|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||^PRN^PH^^^207^7564151|||||||||2186-5^Not
Hispanic or Latino^HL70189
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
|^PRN^PH^^^207^7564151
NK1|2|MOUSE^MIGHTY|FTH|18C Disney DRIVE^^BUXTON^ME^04093^USA^^^23031| |^PRN^PH^^^
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|0.5|mL^mL^UCUM||00^NEW
IMMUNIZATION RECORD||^^^10055||||C2732|20211212|SKB^^MVX
RXR|IM^Intramuscular^HL70162|LD^Left Deltoid^HL70163
OBX|1|CE|6994-7^VFC STATUS^STC||V02^MEDICAID//MEDICAID MANAGED CARE^HL70064||||||F
OBX|2|CE| 30956-7^Vaccine Type^LN|1|83^ HEPATITIS A^CVX||||||F|||20200630112517
OBX|3|TS|29768-9^Date vaccine information sheet published^LN|1|20160720||||||F|||20200630112517
OBX|4|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-7 should be data type TS_Z with precision to second and time zone

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-22 – 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 or Maine FIPS code

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, or empty, unless patient declines inclusion in Reminder/Recall. 01 will prevent patients from being 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. Protection Indicator is set to Y will result in NF if queried (bi-directional). This is not a patient opt-out

NOTE: if PD1-12 is empty, the IIS will default to N.

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-5.1 must contain the CVX code of the vaccine administered

RXA-5.3 must be CVX

RXA-6 must contain the correct dose amount in milliliters if doing dose decrementing

RXA-7 must contain the units if the immunization is administered

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.

RXA-16 (dose decrementing) must match the expiration date of the lot in ImmPact. This can affect the ability to update in the des-dec fix tool

RXR1 will contain the administration route

RXR2 will contain the body site

OBX – Do not Send Vaccine Funding Source (30963-3)
NOTE: but if sent it MUST precede the OBX for Vaccine eligibility (6994-7)

OBX – Vaccine eligibility (6994-7) is required

OBX – VIS revision dates in the IIS are updated per the CDC website
https://www.cdc.gov/vaccines/hcp/vis/vis-dates.html
NOTE: Bar coded VIS format is not supported. Must be 3 OBX statements as illustrated above.

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

MSH|^~\&|EPIC|21672|IMMPACT|MAINECDC|20200603085801-0500|10163|VXU^V04^VXU_V04|
3243497|P|2.5.1||||||||||10055
PID|||E3229738^^^EPIC^MR||MOUSE^MICKEY^G|MOUSE^MUM|20181106221700|F||2106-3
^White^HL70005|18C DISNEY
DRIVE^^BUXTON^ME^04093^USA^^^23031||^PRN^PH^^^207^7564151|||||||||2186-5^Not Hispanic or
Latino^HL70189
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
|^PRN^PH^^^207^7564151
NK1|2|MOUSE^MIGHTY|FTH|18C Disney DRIVE^^BUXTON^ME^04093^USA^^^23031| |^PRN^PH^^^
207^7564151ORC|RE|176300616^EPC|||||||||109074^WHO^DOC^P||1528153830^WHO^DOC^P^^^^^EPI
C^^^^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|IM|LL|

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supplied by the State of Maine

MSH-7 should be data type TS_Z with precision to second and time zone

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