

MARYLAND COVID-19
PHASE 1a VACCINE ADMINISTRATION DOCUMENTATION AND REPORTING

COVID-19 vaccination accountability and documentation will be necessary for determining vaccination coverage in Maryland, ensuring the elimination of disparities, providing residents with documentation of vaccination for employment/school purposes, and providing updates on vaccine supply. The Maryland Department of Health (MDH) and CDC have established a list of required data elements that must be collected with each phase 1a COVID-19 vaccination and reported to MDH/ImmuNet and CDC within 24 hours of administration, as required by the CDC COVID-19 Program Provider Enrollment Agreement. Required data elements include data elements currently being reported to ImmuNet and one new COVID vaccination fields:

CDC/MDH-required Data Elements	HL7* Crosswalk
Administered at location: facility name/ID	RXA-11.4 and RXA-27.4
Administered at location: type	RXA-11.6 and RXA-27.6 ⁱ <i>see endnote</i>
Administration address (including county)	RXA-11 and RXA-28
Administration date	RXA-3
CVX (Product)	RXA-5
Dose number	OBX-3 (use LOINC code 30973-2)
IIS recipient ID	PID-3.1
IIS vaccination event ID	ORC-3
Lot number: unit of use and/or unit of sale	RXA-15
MVX (Manufacturer)	RXA-17
NDC	RXA-5
Recipient address	PID-11
Recipient cell/mobile phone number	PID-13
Recipient date of birth	PID-7
Recipient email address	PID-13.4
Recipient ethnicity	PID-22
Recipient name	PID-5
Recipient occupation (Direct Patient Care or Non-Direct Patient Care)	OBX (use LOINC code 95715-9) ⁱⁱ <i>see endnote</i>
Recipient race	PID-10
Recipient sex	PID-8
Sending / Responsible organization	MSH-4 / MSH-22
Vaccine administering provider suffix	RXA-10
Vaccine administration site (on the body)	RXR-2
Vaccine expiration date	RXA-16
Vaccine route of administration	RXR-1
Vaccination series complete	ImmuNet's Evaluator to determine this for reporting to CDC

*Please refer to the full ImmuNet specifications ([here](#)) for details on the HL7 fields.

ⁱ RXA-11.6 is used for v2.5.1 (higher HL7 versions support the same information in RXA-27.6)

Sample RXA segment:

RXA|0|1|20201211|20201211|208^COVID-19 VACC MRNA BNT162B2 PFIZER PF
IM^CVX|999|987654321^^123456789^9^^ABC IMMUNIZATION
CLINIC|||||03|RE|D|20201209120452||||987654321^^123456789^9|123 MAIN STREET^^ANYTOWN^MD^21201-
9999^US^^BALTIMORE CITY

RXA-11.6 or RXA-27.6 Locally Defined Value Set per CDC COVID-19 Vaccination Reporting Specification (CVRS):
Version 2. Subject to change but current as of today:

- 1 (Commercial vaccination service provider)
- 2 (Corrections/detention health services)
- 3 (Health center – community)
- 4 (Health center – migrant or refugee)
- 5 (Health center – occupational)
- 6 (Health center – STD/HIV clinic)
- 7 (Health center – student)
- 8 (Home health care provider)
- 9 (Hospital)
- 10 (Indian Health Service)
- 11 (Tribal health)
- 12 (Medical practice – family medicine)
- 13 (Medical practice – pediatrics)
- 14 (Medical practice – internal medicine)
- 15 (Medical practice – OB/GYN)
- 16 (Medical practice – other specialty)
- 17 (Pharmacy – chain)
- 18 (Pharmacy – independent)
- 19 (Public health provider – public health clinic)
- 20 (Public health provider – Federally Qualified Health Center)
- 21 (Public health provider – Rural Health Clinic)
- 22 (Long-term care – nursing home, skilled nursing facility, federally certified)
- 23 (Long-term care – nursing home, skilled nursing facility, non-federally certified)
- 24 (Long-term care – assisted living)
- 25 (Long-term care – intellectual or developmental disability)
- 26 (Long-term care – combination)
- 27 (Urgent care)
- 28 (Other)
- UNK (Unknown)

ⁱⁱ Occupation in OBX using LOINC code 95715-9

Population LOINC Code	Population Group Code	Population Description
95715-9	COVID-A	Direct Patient Care
95715-9	COVID-B	Non-Direct Patient Care

Sample OBX segments:

OBX|1|CE|95715-9^Population Group^LN|1|COVID-A^Direct Patient Care
OBX|1|CE|95715-9^Population Group^LN|1|COVID-B^Non-Direct Patient Care