**ESP VAERS MDM\_T02 Messaging**

Technical Documentation

This message is used for three purposes:

1. to notify the EHR and the addressed Physician that a potential VAERS case exists
2. to notify the EHR and the addressed Physician that a VAERS-2 report has been sent to the CDC
3. to notify the EHR and the addressed Physician that the case was not reported.

The included message content describes the VAERS case and provides a URL link back to ESP to review the data and confirm or reject the VAERS case. Only the segments and content used by ESP are described below. The primary message segment is OBX, which contains the actual message.

Message Segments for MDM-T02

|  |  |
| --- | --- |
| **Segment** | **Description** |
| MSH | Message Header |
| EVN | Event Type |
| PID | Patient Identification |
| TXA | Document Notification |
| OBX | Observation Value |

MSH Segment

|  |  |  |  |
| --- | --- | --- | --- |
| **Sequence** | **Data type** | **Content reference** | **Element Name** |
| 1 | ST | MSH | Segment name |
| 2 | ST | ^~\& | Encoding |
| 3 | HD |  | Sending Application |
| 4 | HD |  | Sending Facility |
| 5 | HD |  | Receiving Application |
| 6 | HD |  | Receiving Facility |
| 7 | TS |  | Date/Time |
| 9 | CM | MDM^T02 | Message type |
| 10 | ST |  | Message Control ID |
| 11 | PT |  | Processing ID |

Example:

MSH|^~\&|SICIR|SICIR|EPIC|EPICCARE|20190214225540||MDM^T02|ESP0000123|P|

EVN Segment

|  |  |  |  |
| --- | --- | --- | --- |
| **Sequence** | **Data type** | **Content reference** | **Element Name** |
| 1 | ST | EVN | Segment name |
| 2 | ID | T02 | Event type code |
| 3 | TS |  | Recorded Date/Time |

Example:

EVN|T02|20190214225540|

PID Segment

|  |  |  |  |
| --- | --- | --- | --- |
| **Sequence** | **Data type** | **Content reference** | **Element Name** |
| 1 | ST | PID | Segment name |
| 2 | CX |  | Patient ID |

Example:

PID|MH002345^^^^ID 1|

TXA Segment

|  |  |  |  |
| --- | --- | --- | --- |
| **Sequence** | **Data type** | **Content reference** | **Element Name** |
| 1 | ST | TXA | Segment name |
| 2 | IS | 33 | Report type |
| 4 | TS |  | Activity date |
| 5 | XCN |  | Primary Provider |
| 11 | XCN |  | Originator codename |
| 12 | EI |  | Unique document number |
| 17 | ID | AU | Document completion status |
| 19 | ID | AV | Document availability Status |
| 23 | XCN |  | Distributed copies |

Example:

TXA|33||20190214225540|4321||||||4321|ESPMH\_123|||||AU||AV||||4112|

OBX Segment

|  |  |  |  |
| --- | --- | --- | --- |
| **Sequence** | **Data type** | **Content reference** | **Element Name** |
| 1 | ST | OBX | Segment name |
| 2 | SI |  | Set ID |
| 3 | ID | TX | Value Type |
| 4 | CE | REP^Report Text | Identifier |
| 6 | TX |  | Value |

Original notification example

OBX|1|TX|REP^Report Text|Dear Dr. Xxx ~~Your patient, Yyy Zzzz, may have experienced a serious adverse event following a recent vaccination. Please note this is a preliminary assessment and must be reviewed, otherwise it will be presumed to be a false positive detection. Yyy Zzzz was recently noted to have: fever, rash, swelling at injection site . Yyy Zzzz was vaccinated with: TDAP on 20181220.~~Can you confirm your patient experienced an adverse event of a vaccination? Please click on the link below to review and comment on this issue~ ~http://slespapp01/vaers/digest/abcdefghijklmnop^EPIC^LINK^WEBURL^OTHER|

Follow-up notification of VAERS report example

OBX|1|TX|REP^Report Text|Dear Dr. Xxx ~~ A potential vaccine adverse event was reported to CDC-VAERS on 20181225, via the Electronic medical record Support for Public Health systems (ESP).