# MSH

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| MSH-1 | Field Separator | \| | |
| MSH-2 | Encoding Characters | ^~\& | |
| MSH-3 | Sending Application | | |
| MSH-3.1 | Namespace ID | | |
| MSH-3.2 | Universal ID | | |
| MSH-3.3 | Universal ID Type | | |
| MSH-4 | Sending Facility | | |
| MSH-4.1 | Namespace ID | wcEHR | |
| MSH-4.2 | Universal ID | | |
| MSH-4.3 | Universal ID Type | | |
| MSH-5 | Receiving Application | | |
| MSH-5.1 | Namespace ID | | |
| MSH-5.2 | Universal ID | | |
| MSH-5.3 | Universal ID Type | | |
| MSH-6 | Receiving Facility | | |
| MSH-6.1 | Namespace ID | IIS | |
| MSH-6.2 | Universal ID | | |
| MSH-6.3 | Universal ID Type | | |
| MSH-7 | Date/Time Of Message | | |
| MSH-7.1 | Time | 20150624093847.808-0500 | |
| MSH-9 | Message Type | | |
| MSH-9.1 | Message Code | VXU | |
| MSH-9.2 | Trigger Event | V04 | |
| MSH-9.3 | Message Structure | VXU_V04 | |
| MSH-10 | Message Control ID | 18019 | |
| MSH-11 | Processing ID | | |
| MSH-11.1 | Processing ID | P | |
| MSH-12 | Version ID | | |
| MSH-12.1 | Version ID | 2.5.1 | |
| MSH-15 | Accept Acknowledgment Type | ER | |
| MSH-16 | Application Acknowledgment Type | AL | |
| MSH-21 | Message Profile Identifier | | |
| MSH-21.1 | Entity Identifier | Z22 | |
| MSH-21.2 | Namespace ID | CDCPHINVS | |
| MSH-21.3 | Universal ID | | |
| MSH-21.4 | Universal ID Type | | |
| MSH-22 | Sending Responsible Organization | | |
| MSH-22.1 | Organization Name | wcEHR | |
| MSH-22.6 | Assigning Authority | | |
| MSH-22.6.1 | Namespace ID | | |
| MSH-22.6.2 | Universal ID | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| MSH-22.6.3 | Universal ID Type | | |
| MSH-22.7 | Identifier Type Code | | |
| MSH-22.10 | Organization Identifier | | |
| MSH-23 | Receiving Responsible Organization | | |
| MSH-23.1 | Organization Name | IIS | |
| MSH-23.6 | Assigning Authority | | |
| MSH-23.6.1 | Namespace ID | | |
| MSH-23.6.2 | Universal ID | | |
| MSH-23.6.3 | Universal ID Type | | |
| MSH-23.7 | Identifier Type Code | | |
| MSH-23.10 | Organization Identifier | | |

## PID

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| PID-1 | Set ID - PID | 1 | |
| PID-3 | Patient Identifier List | | |
| PID-3.1 | ID Number | 8891 | |
| PID-3.3 | Check Digit Scheme | | |
| PID-3.4 | Assigning Authority | | |
| PID-3.4.1 | Namespace ID | wcEHR | |
| PID-3.4.2 | Universal ID | | |
| PID-3.4.3 | Universal ID Type | | |
| PID-3.5 | Identifier Type Code | MR | |
| PID-5 | Patient Name | | |
| PID-5.1 | Family Name | | |
| PID-5.1.1 | Surname | Banks | |
| PID-5.1.2 | Own Surname Prefix | | |
| PID-5.1.3 | Own Surname | | |
| PID-5.1.4 | Surname Prefix From Partner/Spouse | | |
| PID-5.1.5 | Surname From Partner/Spouse | | |
| PID-5.2 | Given Name | Tyler | |
| PID-5.3 | Second and Further Given Names or Initials Thereof | Owen | |
| PID-5.7 | Name Type Code | L | |
| PID-6 | Mother's Maiden Name | | |
| PID-6.1 | Family Name | | |
| PID-6.1.1 | Surname | | |
| PID-6.1.2 | Own Surname Prefix | | |
| PID-6.1.3 | Own Surname | | |

| | | | |
|---|---|---|---|
| PID-6.1.4 | Surname Prefix From Partner/Spouse | | |
| PID-6.1.5 | Surname From Partner/Spouse | | |
| PID-6.7 | Name Type Code | | |
| PID-7 | Date/Time of Birth | | |
| PID-7.1 | Time | 20140602 | |
| PID-8 | Administrative Sex | M | |
| PID-10 | Race | | |
| PID-10.1 | Identifier | 2106-3 | |
| PID-10.2 | Text | White | |
| PID-10.3 | Name of Coding System | CDCREC | |
| PID-10.5 | Alternate Text | | |
| PID-10.6 | Name of Alternate Coding System | | |
| PID-11 | Patient Address | | |
| PID-11.1 | Street Address | | |
| PID-11.1.1 | Street or Mailing Address | 924 Sycamore Lane | |
| PID-11.1.2 | Street Name | | |
| PID-11.1.3 | Dwelling Number | | |
| PID-11.2 | Other Designation | | |
| PID-11.3 | City | Bozeman | |
| PID-11.4 | State or Province | MT | |
| PID-11.5 | Zip or Postal Code | 59715 | |
| PID-11.6 | Country | USA | |
| PID-11.7 | Address Type | P | |
| PID-13 | Phone Number - Home | | |
| PID-13.2 | Telecommunication Use Code | PRN | |
| PID-13.3 | Telecommunication Equipment Type | PH | |
| PID-13.4 | Email Address | | |
| PID-13.6 | Area/City Code | 406 | |
| PID-13.7 | Local Number | 5555835 | |
| PID-22 | Ethnic Group | | |
| PID-22.1 | Identifier | 2186-5 | |
| PID-22.2 | Text | Not Hispanic or Latino | |
| PID-22.3 | Name of Coding System | CDCREC | |
| PID-22.5 | Alternate Text | | |
| PID-22.6 | Name of Alternate Coding System | | |
| PID-24 | Multiple Birth Indicator | N | |
| PID-25 | Birth Order | 1 | |
| PID-29 | Patient Death Date and Time | | |
| PID-29.1 | Time | | |
| | | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| PID-30 | Patient Death Indicator | N | |

## PD1

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| PD1-11 | Publicity Code | | |
| PD1-11.1 | Identifier | 02 | |
| PD1-11.2 | Text | Reminder/recall - any method | |
| PD1-11.3 | Name of Coding System | HL70215 | |
| PD1-11.5 | Alternate Text | | |
| PD1-11.6 | Name of Alternate Coding System | | |
| PD1-12 | Protection Indicator | Y | |
| PD1-13 | Protection Indicator Effective Date | 20150624 | |
| PD1-16 | Immunization Registry Status | A | |
| PD1-17 | Immunization Registry Status Effective Date | 20040602 | |
| PD1-18 | Publicity Code Effective Date | 20150624 | |

## NK1

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| NK1-1 | Set ID - NK1 | 1 | |
| NK1-2 | Name | | |
| NK1-2.1 | Family Name | | |
| NK1-2.1.1 | Surname | Banks | |
| NK1-2.1.2 | Own Surname Prefix | | |
| NK1-2.1.3 | Own Surname | | |
| NK1-2.1.4 | Surname Prefix From Partner/Spouse | | |
| NK1-2.1.5 | Surname From Partner/Spouse | | |
| NK1-2.2 | Given Name | Karl | |
| NK1-2.3 | Second and Further Given Names or Initials Thereof | Leonard | |
| NK1-2.7 | Name Type Code | L | |
| NK1-3 | Relationship | | |
| NK1-3.1 | Identifier | FTH | |
| NK1-3.2 | Text | Father | |
| NK1-3.3 | Name of Coding System | HL70063 | |
| NK1-3.5 | Alternate Text | | |
| NK1-3.6 | Name of Alternate | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| | Coding System | | |
| NK1-4 | Address | | |
| NK1-4.1 | Street Address | | |
| NK1-4.1.1 | Street or Mailing Address | 924 Sycamore Lane | |
| NK1-4.1.2 | Street Name | | |
| NK1-4.1.3 | Dwelling Number | | |
| NK1-4.2 | Other Designation | | |
| NK1-4.3 | City | Bozeman | |
| NK1-4.4 | State or Province | MT | |
| NK1-4.5 | Zip or Postal Code | 59715 | |
| NK1-4.6 | Country | USA | |
| NK1-4.7 | Address Type | P | |
| NK1-5 | Phone Number | | |
| NK1-5.2 | Telecommunication Use Code | PRN | |
| NK1-5.3 | Telecommunication Equipment Type | PH | |
| NK1-5.4 | Email Address | | |
| NK1-5.6 | Area/City Code | 406 | |
| NK1-5.7 | Local Number | 5555835 | |

## ORC

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| ORC-1 | Order Control | RE | |
| ORC-2 | Placer Order Number | | |
| ORC-2.1 | Entity Identifier | 5027 | |
| ORC-2.2 | Namespace ID | wcEHR | |
| ORC-2.3 | Universal ID | | |
| ORC-2.4 | Universal ID Type | | |
| ORC-3 | Filler Order Number | | |
| ORC-3.1 | Entity Identifier | 12128 | |
| ORC-3.2 | Namespace ID | wcEHR | |
| ORC-3.3 | Universal ID | | |
| ORC-3.4 | Universal ID Type | | |
| ORC-10 | Entered By | | |
| ORC-10.1 | ID Number | 7824 | |
| ORC-10.2 | Family Name | | |
| ORC-10.2.1 | Surname | Jackson | |
| ORC-10.2.2 | Own Surname Prefix | | |
| ORC-10.2.3 | Own Surname | | |
| ORC-10.2.4 | Surname Prefix From Partner/Spouse | | |
| ORC-10.2.5 | Surname From Partner/Spouse | | |
| ORC-10.3 | Given Name | Lily | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| ORC-10.4 | Second and Further Given Names or Initials Thereof | Suzanne | |
| ORC-10.9 | Assigning Authority | | |
| ORC-10.9.1 | Namespace ID | wcEHR | |
| ORC-10.9.2 | Universal ID | | |
| ORC-10.9.3 | Universal ID Type | | |
| ORC-10.10 | Name Type Code | L | |
| ORC-10.12 | Check Digit Scheme | | |
| ORC-10.13 | Identifier Type Code | PRN | |
| ORC-12 | Ordering Provider | | |
| ORC-12.1 | ID Number | 654 | |
| ORC-12.2 | Family Name | | |
| ORC-12.2.1 | Surname | Thomas | |
| ORC-12.2.2 | Own Surname Prefix | | |
| ORC-12.2.3 | Own Surname | | |
| ORC-12.2.4 | Surname Prefix From Partner/Spouse | | |
| ORC-12.2.5 | Surname From Partner/Spouse | | |
| ORC-12.3 | Given Name | Wilma | |
| ORC-12.4 | Second and Further Given Names or Initials Thereof | Elizabeth | |
| ORC-12.9 | Assigning Authority | | |
| ORC-12.9.1 | Namespace ID | wcEHR | |
| ORC-12.9.2 | Universal ID | | |
| ORC-12.9.3 | Universal ID Type | | |
| ORC-12.10 | Name Type Code | L | |
| ORC-12.12 | Check Digit Scheme | | |
| ORC-12.13 | Identifier Type Code | MD | |
| ORC-17 | Entering Organization | | |
| ORC-17.1 | Identifier | wcEHR | |
| ORC-17.2 | Text | West Clinic | |
| ORC-17.3 | Name of Coding System | HL70362 | |
| ORC-17.5 | Alternate Text | | |
| ORC-17.6 | Name of Alternate Coding System | | |

## RXA

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| RXA-1 | Give Sub-ID Counter | 0 | |
| RXA-2 | Administration Sub-ID Counter | 1 | |
| RXA-3 | Date/Time Start of Administration | | |
| RXA-3.1 | Time | 20150624 | |

| | | | |
|---|---|---|---|
| RXA-5 | Administered Code | | |
| RXA-5.1 | Identifier | 00006-4095-01 | |
| RXA-5.2 | Text | VAQTA | |
| RXA-5.3 | Name of Coding System | NDC | |
| RXA-5.5 | Alternate Text | | |
| RXA-5.6 | Name of Alternate Coding System | | |
| RXA-6 | Administered Amount | 0.5 | |
| RXA-7 | Administered Units | | |
| RXA-7.1 | Identifier | mL | |
| RXA-7.2 | Text | mL | |
| RXA-7.3 | Name of Coding System | UCUM | |
| RXA-7.5 | Alternate Text | | |
| RXA-7.6 | Name of Alternate Coding System | | |
| RXA-9 | Administration Notes | | |
| RXA-9.1 | Identifier | 00 | |
| RXA-9.2 | Text | New Record | |
| RXA-9.3 | Name of Coding System | NIP001 | |
| RXA-9.5 | Alternate Text | | |
| RXA-9.6 | Name of Alternate Coding System | | |
| RXA-10 | Administering Provider | | |
| RXA-10.1 | ID Number | 7824 | |
| RXA-10.2 | Family Name | | |
| RXA-10.2.1 | Surname | Jackson | |
| RXA-10.2.2 | Own Surname Prefix | | |
| RXA-10.2.3 | Own Surname | | |
| RXA-10.2.4 | Surname Prefix From Partner/Spouse | | |
| RXA-10.2.5 | Surname From Partner/Spouse | | |
| RXA-10.3 | Given Name | Lily | |
| RXA-10.4 | Second and Further Given Names or Initials Thereof | Suzanne | |
| RXA-10.9 | Assigning Authority | | |
| RXA-10.9.1 | Namespace ID | wcEHR | |
| RXA-10.9.2 | Universal ID | | |
| RXA-10.9.3 | Universal ID Type | | |
| RXA-10.10 | Name Type Code | L | |
| RXA-10.12 | Check Digit Scheme | | |
| RXA-10.13 | Identifier Type Code | PRN | |
| RXA-11 | Administered-at Location | | |
| RXA-11.4 | Facility | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| RXA-11.4.1 | Namespace ID | wcEHR | |
| RXA-11.4.2 | Universal ID | | |
| RXA-11.4.3 | Universal ID Type | | |
| RXA-15 | Substance Lot Number | 208490 | |
| RXA-16 | Substance Expiration Date | | |
| RXA-16.1 | Time | 20160120 | |
| RXA-17 | Substance Manufacturer Name | | |
| RXA-17.1 | Identifier | MSD | |
| RXA-17.2 | Text | Merck and Co., Inc. | |
| RXA-17.3 | Name of Coding System | MVX | |
| RXA-17.5 | Alternate Text | | |
| RXA-17.6 | Name of Alternate Coding System | | |
| RXA-18 | Substance/Treatment Refusal Reason | | |
| RXA-18.1 | Identifier | | |
| RXA-18.2 | Text | | |
| RXA-18.3 | Name of Coding System | | |
| RXA-18.5 | Alternate Text | | |
| RXA-18.6 | Name of Alternate Coding System | | |
| RXA-20 | Completion Status | CP | |
| RXA-21 | Action Code - RXA | U | |

## RXR

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| RXR-1 | Route | | |
| RXR-1.1 | Identifier | C28161 | |
| RXR-1.2 | Text | Intramuscular | |
| RXR-1.3 | Name of Coding System | NCIT | |
| RXR-1.5 | Alternate Text | | |
| RXR-1.6 | Name of Alternate Coding System | | |
| RXR-2 | Administration Site | | |
| RXR-2.1 | Identifier | RT | |
| RXR-2.2 | Text | Right Thigh | |
| RXR-2.3 | Name of Coding System | HL70163 | |
| RXR-2.5 | Alternate Text | | |
| RXR-2.6 | Name of Alternate Coding System | | |

## OBX

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| OBX-1 | Set ID - OBX | 1 | |
| OBX-2 | Value Type | CE | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 30963-3 | |
| OBX-3.2 | Text | Vaccine Funding Source | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-3.5 | Alternate Text | | |
| OBX-3.6 | Name of Alternate Coding System | | |
| OBX-4 | Observation Sub-ID | 1 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Identifier | PHC70 | |
| OBX-5.2 | Text | Private | |
| OBX-5.3 | Name of Coding System | CDCPHINVS | |
| OBX-5.5 | Alternate Text | | |
| OBX-5.6 | Name of Alternate Coding System | | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-6.5 | Alternate Text | | |
| OBX-6.6 | Name of Alternate Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150624 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |
| OBX-17.5 | Alternate Text | | |
| OBX-17.6 | Name of Alternate Coding System | | |

## OBX

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| OBX-1 | Set ID - OBX | 2 | |
| OBX-2 | Value Type | CE | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 64994-7 | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-3.2 | Text | Vaccine Funding Program Eligibility | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-3.5 | Alternate Text | | |
| OBX-3.6 | Name of Alternate Coding System | | |
| OBX-4 | Observation Sub-ID | 2 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Identifier | V01 | |
| OBX-5.2 | Text | Not VFC Eligible | |
| OBX-5.3 | Name of Coding System | HL70064 | |
| OBX-5.5 | Alternate Text | | |
| OBX-5.6 | Name of Alternate Coding System | | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-6.5 | Alternate Text | | |
| OBX-6.6 | Name of Alternate Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150624 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | VXC40 | |
| OBX-17.2 | Text | per immunization | |
| OBX-17.3 | Name of Coding System | CDCPHINVS | |
| OBX-17.5 | Alternate Text | | |
| OBX-17.6 | Name of Alternate Coding System | | |

## OBX

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-1 | Set ID - OBX | 3 | |
| OBX-2 | Value Type | CE | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 69764-9 | |
| OBX-3.2 | Text | Document Type | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-3.5 | Alternate Text | | |
| OBX-3.6 | Name of Alternate Coding System | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-4 | Observation Sub-ID | 3 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Identifier | 2530886983000042111 11025 | |
| OBX-5.2 | Text | Hepatitis A VIS | |
| OBX-5.3 | Name of Coding System | cdcgs1vis | |
| OBX-5.5 | Alternate Text | | |
| OBX-5.6 | Name of Alternate Coding System | | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-6.5 | Alternate Text | | |
| OBX-6.6 | Name of Alternate Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150624 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |
| OBX-17.5 | Alternate Text | | |
| OBX-17.6 | Name of Alternate Coding System | | |

## OBX

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-1 | Set ID - OBX | 4 | |
| OBX-2 | Value Type | DT | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 29769-7 | |
| OBX-3.2 | Text | Date Vis Presented | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-3.5 | Alternate Text | | |
| OBX-3.6 | Name of Alternate Coding System | | |
| OBX-4 | Observation Sub-ID | 3 | |
| OBX-5 | Observation Value | 20150624 | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| | System | | |
| OBX-6.5 | Alternate Text | | |
| OBX-6.6 | Name of Alternate Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150624 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |
| OBX-17.5 | Alternate Text | | |
| OBX-17.6 | Name of Alternate Coding System | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| MSH-1 | Field Separator | \| | |
| MSH-2 | Encoding Characters | ^~\& | |
| MSH-3 | Sending Application | | |
| MSH-3.1 | Namespace ID | | |
| MSH-3.2 | Universal ID | | |
| MSH-3.3 | Universal ID Type | | |
| MSH-4 | Sending Facility | | |
| MSH-4.1 | Namespace ID | wcEHR | |
| MSH-4.2 | Universal ID | | |
| MSH-4.3 | Universal ID Type | | |
| MSH-5 | Receiving Application | | |
| MSH-5.1 | Namespace ID | | |
| MSH-5.2 | Universal ID | | |
| MSH-5.3 | Universal ID Type | | |
| MSH-6 | Receiving Facility | | |
| MSH-6.1 | Namespace ID | IIS | |
| MSH-6.2 | Universal ID | | |
| MSH-6.3 | Universal ID Type | | |
| MSH-7 | Date/Time Of Message | | |
| MSH-7.1 | Time | 20150624093847.808-0500 | |
| MSH-9 | Message Type | | |
| MSH-9.1 | Message Code | VXU | |
| MSH-9.2 | Trigger Event | V04 | |
| MSH-9.3 | Message Structure | VXU_V04 | |
| MSH-10 | Message Control ID | 18019 | |
| MSH-11 | Processing ID | | |
| MSH-11.1 | Processing ID | P | |
| MSH-12 | Version ID | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| MSH-12.1 | Version ID | 2.5.1 | |
| MSH-15 | Accept Acknowledgment Type | ER | |
| MSH-16 | Application Acknowledgment Type | AL | |
| MSH-21 | Message Profile Identifier | | |
| MSH-21.1 | Entity Identifier | Z22 | |
| MSH-21.2 | Namespace ID | CDCPHINVS | |
| MSH-21.3 | Universal ID | | |
| MSH-21.4 | Universal ID Type | | |
| MSH-22 | Sending Responsible Organization | | |
| MSH-22.1 | Organization Name | wcEHR | |
| MSH-22.6 | Assigning Authority | | |
| MSH-22.6.1 | Namespace ID | | |
| MSH-22.6.2 | Universal ID | | |
| MSH-22.6.3 | Universal ID Type | | |
| MSH-22.7 | Identifier Type Code | | |
| MSH-22.10 | Organization Identifier | | |
| MSH-23 | Receiving Responsible Organization | | |
| MSH-23.1 | Organization Name | IIS | |
| MSH-23.6 | Assigning Authority | | |
| MSH-23.6.1 | Namespace ID | | |
| MSH-23.6.2 | Universal ID | | |
| MSH-23.6.3 | Universal ID Type | | |
| MSH-23.7 | Identifier Type Code | | |
| MSH-23.10 | Organization Identifier | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| PID-1 | Set ID - PID | 1 | |
| PID-3 | Patient Identifier List | | |
| PID-3.1 | ID Number | 8891 | |
| PID-3.3 | Check Digit Scheme | | |
| PID-3.4 | Assigning Authority | | |
| PID-3.4.1 | Namespace ID | wcEHR | |
| PID-3.4.2 | Universal ID | | |
| PID-3.4.3 | Universal ID Type | | |
| PID-3.5 | Identifier Type Code | MR | |
| PID-5 | Patient Name | | |
| PID-5.1 | Family Name | | |
| PID-5.1.1 | Surname | Banks | |
| PID-5.1.2 | Own Surname Prefix | | |
| PID-5.1.3 | Own Surname | | |
| PID-5.1.4 | Surname Prefix From Partner/Spouse | | |
| PID-5.1.5 | Surname From Partner/Spouse | | |
| PID-5.2 | Given Name | Tyler | |

| | | | |
|---|---|---|---|
| PID-5.3 | Second and Further Given Names or Initials Thereof | Owen | |
| PID-5.7 | Name Type Code | L | |
| PID-6 | Mother's Maiden Name | | |
| PID-6.1 | Family Name | | |
| PID-6.1.1 | Surname | | |
| PID-6.1.2 | Own Surname Prefix | | |
| PID-6.1.3 | Own Surname | | |
| PID-6.1.4 | Surname Prefix From Partner/Spouse | | |
| PID-6.1.5 | Surname From Partner/Spouse | | |
| PID-6.7 | Name Type Code | | |
| PID-7 | Date/Time of Birth | | |
| PID-7.1 | Time | 20140602 | |
| PID-8 | Administrative Sex | M | |
| PID-10 | Race | | |
| PID-10.1 | Identifier | 2106-3 | |
| PID-10.2 | Text | White | |
| PID-10.3 | Name of Coding System | CDCREC | |
| PID-10.5 | Alternate Text | | |
| PID-10.6 | Name of Alternate Coding System | | |
| PID-11 | Patient Address | | |
| PID-11.1 | Street Address | | |
| PID-11.1.1 | Street or Mailing Address | 924 Sycamore Lane | |
| PID-11.1.2 | Street Name | | |
| PID-11.1.3 | Dwelling Number | | |
| PID-11.2 | Other Designation | | |
| PID-11.3 | City | Bozeman | |
| PID-11.4 | State or Province | MT | |
| PID-11.5 | Zip or Postal Code | 59715 | |
| PID-11.6 | Country | USA | |
| PID-11.7 | Address Type | P | |
| PID-13 | Phone Number - Home | | |
| PID-13.2 | Telecommunication Use Code | PRN | |
| PID-13.3 | Telecommunication Equipment Type | PH | |
| PID-13.4 | Email Address | | |
| PID-13.6 | Area/City Code | 406 | |
| PID-13.7 | Local Number | 5555835 | |
| PID-22 | Ethnic Group | | |
| PID-22.1 | Identifier | 2186-5 | |
| PID-22.2 | Text | Not Hispanic or Latino | |
| PID-22.3 | Name of Coding System | CDCREC | |
| PID-22.5 | Alternate Text | | |

| Location | Data Element | Data | Categorization |
|----------|-------------|------|----------------|
| PID-22.6 | Name of Alternate Coding System | | |
| PID-24 | Multiple Birth Indicator | N | |
| PID-25 | Birth Order | 1 | |
| PID-29 | Patient Death Date and Time | | |
| PID-29.1 | Time | | |
| PID-30 | Patient Death Indicator | N | |

| Location | Data Element | Data | Categorization |
|----------|-------------|------|----------------|
| PD1-11 | Publicity Code | | |
| PD1-11.1 | Identifier | 02 | |
| PD1-11.2 | Text | Reminder/recall - any method | |
| PD1-11.3 | Name of Coding System | HL70215 | |
| PD1-11.5 | Alternate Text | | |
| PD1-11.6 | Name of Alternate Coding System | | |
| PD1-12 | Protection Indicator | Y | |
| PD1-13 | Protection Indicator Effective Date | 20150624 | |
| PD1-16 | Immunization Registry Status | A | |
| PD1-17 | Immunization Registry Status Effective Date | 20040602 | |
| PD1-18 | Publicity Code Effective Date | 20150624 | |

| Location | Data Element | Data | Categorization |
|----------|-------------|------|----------------|
| NK1-1 | Set ID - NK1 | 1 | |
| NK1-2 | Name | | |
| NK1-2.1 | Family Name | | |
| NK1-2.1.1 | Surname | Banks | |
| NK1-2.1.2 | Own Surname Prefix | | |
| NK1-2.1.3 | Own Surname | | |
| NK1-2.1.4 | Surname Prefix From Partner/Spouse | | |
| NK1-2.1.5 | Surname From Partner/Spouse | | |
| NK1-2.2 | Given Name | Karl | |
| NK1-2.3 | Second and Further Given Names or Initials Thereof | Leonard | |
| NK1-2.7 | Name Type Code | L | |
| NK1-3 | Relationship | | |
| NK1-3.1 | Identifier | FTH | |
| NK1-3.2 | Text | Father | |
| NK1-3.3 | Name of Coding System | HL70063 | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| NK1-3.5 | Alternate Text | | |
| NK1-3.6 | Name of Alternate Coding System | | |
| NK1-4 | Address | | |
| NK1-4.1 | Street Address | | |
| NK1-4.1.1 | Street or Mailing Address | 924 Sycamore Lane | |
| NK1-4.1.2 | Street Name | | |
| NK1-4.1.3 | Dwelling Number | | |
| NK1-4.2 | Other Designation | | |
| NK1-4.3 | City | Bozeman | |
| NK1-4.4 | State or Province | MT | |
| NK1-4.5 | Zip or Postal Code | 59715 | |
| NK1-4.6 | Country | USA | |
| NK1-4.7 | Address Type | P | |
| NK1-5 | Phone Number | | |
| NK1-5.2 | Telecommunication Use Code | PRN | |
| NK1-5.3 | Telecommunication Equipment Type | PH | |
| NK1-5.4 | Email Address | | |
| NK1-5.6 | Area/City Code | 406 | |
| NK1-5.7 | Local Number | 5555835 | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| ORC-1 | Order Control | RE | |
| ORC-2 | Placer Order Number | | |
| ORC-2.1 | Entity Identifier | 5027 | |
| ORC-2.2 | Namespace ID | wcEHR | |
| ORC-2.3 | Universal ID | | |
| ORC-2.4 | Universal ID Type | | |
| ORC-3 | Filler Order Number | | |
| ORC-3.1 | Entity Identifier | 12128 | |
| ORC-3.2 | Namespace ID | wcEHR | |
| ORC-3.3 | Universal ID | | |
| ORC-3.4 | Universal ID Type | | |
| ORC-10 | Entered By | | |
| ORC-10.1 | ID Number | 7824 | |
| ORC-10.2 | Family Name | | |
| ORC-10.2.1 | Surname | Jackson | |
| ORC-10.2.2 | Own Surname Prefix | | |
| ORC-10.2.3 | Own Surname | | |
| ORC-10.2.4 | Surname Prefix From Partner/Spouse | | |
| ORC-10.2.5 | Surname From Partner/Spouse | | |
| ORC-10.3 | Given Name | Lily | |
| ORC-10.4 | Second and Further Given Names or Initials | Suzanne | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| | Thereof | | |
| ORC-10.9 | Assigning Authority | | |
| ORC-10.9.1 | Namespace ID | wcEHR | |
| ORC-10.9.2 | Universal ID | | |
| ORC-10.9.3 | Universal ID Type | | |
| ORC-10.10 | Name Type Code | L | |
| ORC-10.12 | Check Digit Scheme | | |
| ORC-10.13 | Identifier Type Code | PRN | |
| ORC-12 | Ordering Provider | | |
| ORC-12.1 | ID Number | 654 | |
| ORC-12.2 | Family Name | | |
| ORC-12.2.1 | Surname | Thomas | |
| ORC-12.2.2 | Own Surname Prefix | | |
| ORC-12.2.3 | Own Surname | | |
| ORC-12.2.4 | Surname Prefix From Partner/Spouse | | |
| ORC-12.2.5 | Surname From Partner/Spouse | | |
| ORC-12.3 | Given Name | Wilma | |
| ORC-12.4 | Second and Further Given Names or Initials Thereof | Elizabeth | |
| ORC-12.9 | Assigning Authority | | |
| ORC-12.9.1 | Namespace ID | wcEHR | |
| ORC-12.9.2 | Universal ID | | |
| ORC-12.9.3 | Universal ID Type | | |
| ORC-12.10 | Name Type Code | L | |
| ORC-12.12 | Check Digit Scheme | | |
| ORC-12.13 | Identifier Type Code | MD | |
| ORC-17 | Entering Organization | | |
| ORC-17.1 | Identifier | wcEHR | |
| ORC-17.2 | Text | West Clinic | |
| ORC-17.3 | Name of Coding System | HL70362 | |
| ORC-17.5 | Alternate Text | | |
| ORC-17.6 | Name of Alternate Coding System | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| RXA-1 | Give Sub-ID Counter | 0 | |
| RXA-2 | Administration Sub-ID Counter | 1 | |
| RXA-3 | Date/Time Start of Administration | | |
| RXA-3.1 | Time | 20150624 | |
| RXA-5 | Administered Code | | |
| RXA-5.1 | Identifier | 00006-4095-01 | |
| RXA-5.2 | Text | VAQTA | |
| RXA-5.3 | Name of Coding System | NDC | |

| | | | |
|---|---|---|---|
| RXA-5.5 | Alternate Text | | |
| RXA-5.6 | Name of Alternate Coding System | | |
| RXA-6 | Administered Amount | 0.5 | |
| RXA-7 | Administered Units | | |
| RXA-7.1 | Identifier | mL | |
| RXA-7.2 | Text | mL | |
| RXA-7.3 | Name of Coding System | UCUM | |
| RXA-7.5 | Alternate Text | | |
| RXA-7.6 | Name of Alternate Coding System | | |
| RXA-9 | Administration Notes | | |
| RXA-9.1 | Identifier | 00 | |
| RXA-9.2 | Text | New Record | |
| RXA-9.3 | Name of Coding System | NIP001 | |
| RXA-9.5 | Alternate Text | | |
| RXA-9.6 | Name of Alternate Coding System | | |
| RXA-10 | Administering Provider | | |
| RXA-10.1 | ID Number | 7824 | |
| RXA-10.2 | Family Name | | |
| RXA-10.2.1 | Surname | Jackson | |
| RXA-10.2.2 | Own Surname Prefix | | |
| RXA-10.2.3 | Own Surname | | |
| RXA-10.2.4 | Surname Prefix From Partner/Spouse | | |
| RXA-10.2.5 | Surname From Partner/Spouse | | |
| RXA-10.3 | Given Name | Lily | |
| RXA-10.4 | Second and Further Given Names or Initials Thereof | Suzanne | |
| RXA-10.9 | Assigning Authority | | |
| RXA-10.9.1 | Namespace ID | wcEHR | |
| RXA-10.9.2 | Universal ID | | |
| RXA-10.9.3 | Universal ID Type | | |
| RXA-10.10 | Name Type Code | L | |
| RXA-10.12 | Check Digit Scheme | | |
| RXA-10.13 | Identifier Type Code | PRN | |
| RXA-11 | Administered-at Location | | |
| RXA-11.4 | Facility | | |
| RXA-11.4.1 | Namespace ID | wcEHR | |
| RXA-11.4.2 | Universal ID | | |
| RXA-11.4.3 | Universal ID Type | | |
| RXA-15 | Substance Lot Number | 208490 | |
| RXA-16 | Substance Expiration Date | | |
| RXA-16.1 | Time | 20160120 | |
| | Substance Manufacturer | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| RXA-17 | Name | | |
| RXA-17.1 | Identifier | MSD | |
| RXA-17.2 | Text | Merck and Co., Inc. | |
| RXA-17.3 | Name of Coding System | MVX | |
| RXA-17.5 | Alternate Text | | |
| RXA-17.6 | Name of Alternate Coding System | | |
| RXA-18 | Substance/Treatment Refusal Reason | | |
| RXA-18.1 | Identifier | | |
| RXA-18.2 | Text | | |
| RXA-18.3 | Name of Coding System | | |
| RXA-18.5 | Alternate Text | | |
| RXA-18.6 | Name of Alternate Coding System | | |
| RXA-20 | Completion Status | CP | |
| RXA-21 | Action Code - RXA | U | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| RXR-1 | Route | | |
| RXR-1.1 | Identifier | C28161 | |
| RXR-1.2 | Text | Intramuscular | |
| RXR-1.3 | Name of Coding System | NCIT | |
| RXR-1.5 | Alternate Text | | |
| RXR-1.6 | Name of Alternate Coding System | | |
| RXR-2 | Administration Site | | |
| RXR-2.1 | Identifier | RT | |
| RXR-2.2 | Text | Right Thigh | |
| RXR-2.3 | Name of Coding System | HL70163 | |
| RXR-2.5 | Alternate Text | | |
| RXR-2.6 | Name of Alternate Coding System | | |

### OBX - 1

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-1 | Set ID - OBX | 1 | |
| OBX-2 | Value Type | CE | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 30963-3 | |
| OBX-3.2 | Text | Vaccine Funding Source | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-3.5 | Alternate Text | | |
| | Name of Alternate | | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-3.6 | Coding System | | |
| OBX-4 | Observation Sub-ID | 1 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Identifier | PHC70 | |
| OBX-5.2 | Text | Private | |
| OBX-5.3 | Name of Coding System | CDCPHINVS | |
| OBX-5.5 | Alternate Text | | |
| OBX-5.6 | Name of Alternate Coding System | | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-6.5 | Alternate Text | | |
| OBX-6.6 | Name of Alternate Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150624 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |
| OBX-17.5 | Alternate Text | | |
| OBX-17.6 | Name of Alternate Coding System | | |

## OBX - 2

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-1 | Set ID - OBX | 2 | |
| OBX-2 | Value Type | CE | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 64994-7 | |
| OBX-3.2 | Text | Vaccine Funding Program Eligibility | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-3.5 | Alternate Text | | |
| OBX-3.6 | Name of Alternate Coding System | | |
| OBX-4 | Observation Sub-ID | 2 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Identifier | V01 | |
| OBX-5.2 | Text | Not VFC Eligible | |
| OBX-5.3 | Name of Coding System | HL70064 | |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| | System | | |
| OBX-5.5 | Alternate Text | | |
| OBX-5.6 | Name of Alternate Coding System | | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-6.5 | Alternate Text | | |
| OBX-6.6 | Name of Alternate Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150624 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | VXC40 | |
| OBX-17.2 | Text | per immunization | |
| OBX-17.3 | Name of Coding System | CDCPHINVS | |
| OBX-17.5 | Alternate Text | | |
| OBX-17.6 | Name of Alternate Coding System | | |

**OBX - 3**

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-1 | Set ID - OBX | 3 | |
| OBX-2 | Value Type | CE | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 69764-9 | |
| OBX-3.2 | Text | Document Type | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-3.5 | Alternate Text | | |
| OBX-3.6 | Name of Alternate Coding System | | |
| OBX-4 | Observation Sub-ID | 3 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Identifier | 253088698300004211111025 | |
| OBX-5.2 | Text | Hepatitis A VIS | |
| OBX-5.3 | Name of Coding System | cdcgs1vis | |
| OBX-5.5 | Alternate Text | | |
| OBX-5.6 | Name of Alternate Coding System | | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |

| Location | Data Element | Data | |
|---|---|---|---|
| OBX-6.3 | Name of Coding System | | |
| OBX-6.5 | Alternate Text | | |
| OBX-6.6 | Name of Alternate Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150624 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |
| OBX-17.5 | Alternate Text | | |
| OBX-17.6 | Name of Alternate Coding System | | |

**OBX - 4**

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| OBX-1 | Set ID - OBX | 4 | |
| OBX-2 | Value Type | DT | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 29769-7 | |
| OBX-3.2 | Text | Date Vis Presented | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-3.5 | Alternate Text | | |
| OBX-3.6 | Name of Alternate Coding System | | |
| OBX-4 | Observation Sub-ID | 3 | |
| OBX-5 | Observation Value | 20150624 | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-6.5 | Alternate Text | | |
| OBX-6.6 | Name of Alternate Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150624 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |

| OBX-17.5 | Alternate Text | | |
|----------|----------------|---|---|
| OBX-17.6 | Name of Alternate Coding System | | |