

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 | | |

| | | | |
|------------|------------------------------------|-----|--|
| 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 | | |
| | | | |

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 | | |

| | | | |
|-----------|----------------------------------|-------------------|--|
| | 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 | weEHR | |
| 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 | weEHR | |
| 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 Thereof | Suzanne | |
| ORC.10.9 | Assigning Authority | | |
| ORC.10.9.1 | Namespace ID | weEHR | |
| 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 | weEHR | |
| 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 | weEHR | |
| 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 | | |

| | | | |
|------------|------------------------------------|---------------------|--|
| 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[*]

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 | | |
| OBX.3.6 | Name of Alternate Coding System | | |
| OBX.4 | Observation Sub-ID | 1 | |
| OBX.5 | Observation Value | | |
| 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.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.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 - 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 | | |

| 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 | | |

| | | | |
|------------|------------------------------------|-----|--|
| 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 | | |
| 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 | |
| | Name of Coding | | |

| | | | |
|----------|---|----------|--|
| PD1.11.3 | 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 | |
| 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 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 | | |
| | Surname Prefix From | | |

| | | | |
|------------|--|-------------|--|
| ORC.12.2.4 | 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 | |
| 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 | |

| 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 | | |
| OBX.3.6 | Name of Alternate Coding System | | |
| OBX.4 | Observation Sub-ID | 1 | |
| OBX.5 | Observation Value | | |
| 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.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.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 - 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 | | |