

MSH : MSH Segment Adopting Fields from 2.7.1

| Location | Data Element | Data | Categorization |
|------------|------------------------------------|----------------------------------|------------------------------|
| MSH-1 | Field Separator | | Value-Profile Fixed |
| MSH-2 | Encoding Characters | ^~& | Value-Profile Fixed |
| MSH-3 | Sending Application | | |
| MSH-3.1 | Namespace ID | SUT-APP | Presence-Configuration |
| MSH-3.2 | Universal ID | | |
| MSH-3.3 | Universal ID Type | | |
| MSH-4 | Sending Facility | | |
| MSH-4.1 | Namespace ID | OFM | Presence-Configuration |
| MSH-4.2 | Universal ID | | |
| MSH-4.3 | Universal ID Type | | |
| MSH-5 | Receiving Application | | |
| MSH-5.1 | Namespace ID | IIP-IIS-APP | Presence-Configuration |
| MSH-5.2 | Universal ID | | |
| MSH-5.3 | Universal ID Type | | |
| MSH-6 | Receiving Facility | | |
| MSH-6.1 | Namespace ID | IIP | Presence-Configuration |
| MSH-6.2 | Universal ID | | |
| MSH-6.3 | Universal ID Type | | |
| MSH-7 | Date/Time Of Message | | |
| MSH-7.1 | Time | 20240405111648-0500 | Presence-System Generated |
| MSH-9 | Message Type | | |
| MSH-9.1 | Message Code | VXU | Value-Profile Fixed |
| MSH-9.2 | Trigger Event | V04 | Value-Profile Fixed |
| MSH-9.3 | Message Structure | VXU_V04 | Value-Profile Fixed |
| MSH-10 | Message Control ID | IIP-Transmit-10 | Presence-System Generated |
| MSH-11 | Processing ID | | |
| MSH-11.1 | Processing ID | P | Presence-Content Indifferent |
| MSH-12 | Version ID | | |
| MSH-12.1 | Version ID | 2.5.1 | Value-Profile Fixed |
| MSH-15 | Accept Acknowledgment Type | ER | Value-Profile Fixed |
| MSH-16 | Application Acknowledgment Type | AL | Value-Profile Fixed |
| MSH-21 | Message Profile Identifier | | |
| MSH-21.1 | Entity Identifier | Z22 | Value-Profile Fixed |
| MSH-21.2 | Namespace ID | CDCPHINVS | Value-Profile Fixed |
| MSH-21.3 | Universal ID | | |
| MSH-21.4 | Universal ID Type | | |
| MSH-22 | Sending Responsible Organization | | |
| MSH-22.1 | Organization Name | Oregon Family Medicine | Presence-Configuration |
| 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 | Immunization Integration Program | Presence-Configuration |
| MSH-23.6 | Assigning Authority | | |

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| 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 : Patient Identification

| Location | Data Element | Data | Categorization |
|-------------|--|----------------------------------|------------------------------|
| PID-1 | Set ID - PID | 1 | Value-Profile Fixed |
| PID-3 | Patient Identifier List | | |
| PID-3.1 | ID Number | 1111 | Presence-Content Indifferent |
| PID-3.4 | Assigning Authority | | |
| PID-3.4.1 | Namespace ID | IIP-MPI-1 | Presence-Content Indifferent |
| PID-3.4.2 | Universal ID | | |
| PID-3.4.3 | Universal ID Type | | |
| PID-3.5 | Identifier Type Code | MR | Value-Test Case Fixed |
| PID-5 | Patient Name | | |
| PID-5.1 | Family Name | | |
| PID-5.1.1 | Surname | Duncan | Value-Test Case Fixed |
| PID-5.2 | Given Name | Lance | Value-Test Case Fixed |
| PID-5.3 | Second and Further Given Names or Initials Thereof | Gaige | Presence-Content Indifferent |
| PID-5.7 | Name Type Code | L | Value-Test Case Fixed |
| PID-6 | Mother's Maiden Name | | |
| PID-6.1 | Family Name | | |
| PID-6.1.1 | Surname | King | Presence-Content Indifferent |
| PID-6.2 | Given Name | | |
| PID-6.7 | Name Type Code | M | Value-Profile Fixed |
| PID-7 | Date/Time of Birth | | |
| PID-7.1 | Time | 20240215 | Presence-Content Indifferent |
| PID-8 | Administrative Sex | M | Value-Test Case Fixed |
| PID-10 | Race | | |
| PID-10.1 | Identifier | 1002-5 | Value-Test Case Fixed |
| PID-10.2 | Text | American Indian or Alaska Native | Presence-Test Case Proper |
| PID-10.3 | Name of Coding System | CDCREC | Value-Profile Fixed |
| PID-10.4 | Alternate Identifier | | |
| 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 | 749 Evergreen Ter. | Value-Test Case Fixed |
| PID-11.2 | Other Designation | Unit A | Value-Test Case Fixed |
| PID-11.3 | City | Springfield | Value-Test Case Fixed |
| PID-11.4 | State or Province | OR | Value-Test Case Fixed |
| PID-11.5 | Zip or Postal Code | 97477 | Value-Test Case Fixed |
| PID-11.6 | Country | USA | Value-Test Case Fixed |
| PID-11.7 | Address Type | P | Value-Test Case Fixed |
| PID-13[1] | Phone Number - Home | | |
| PID-13[1].2 | Telecommunication Use Code | PRN | Value-Test Case Fixed |

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|-------------|----------------------------------|------------------------|------------------------------|
| PID-13[1].3 | Telecommunication Equipment Type | CP | Value-Test Case Fixed |
| PID-13[1].4 | Email Address | | |
| PID-13[1].6 | Area/City Code | 541 | Value-Test Case Fixed |
| PID-13[1].7 | Local Number | 5551111 | Value-Test Case Fixed |
| PID-13[2] | Phone Number - Home | | |
| PID-13[2].2 | Telecommunication Use Code | NET | Value-Test Case Fixed |
| PID-13[2].3 | Telecommunication Equipment Type | X.400 | Value-Profile Fixed |
| PID-13[2].4 | Email Address | IIPMP@gmail.com | Presence-Content Indifferent |
| PID-13[2].6 | Area/City Code | | |
| PID-13[2].7 | Local Number | | |
| PID-22 | Ethnic Group | | |
| PID-22.1 | Identifier | 2186-5 | Value-Test Case Fixed |
| PID-22.2 | Text | Not Hispanic or Latino | Presence-Test Case Proper |
| PID-22.3 | Name of Coding System | CDCREC | Value-Profile Fixed |
| PID-22.4 | Alternate Identifier | | |
| PID-22.5 | Alternate Text | | |
| PID-22.6 | Name of Alternate Coding System | | |
| PID-24 | Multiple Birth Indicator | N | Value-Test Case Fixed |
| PID-25 | Birth Order | 1 | Indifferent |
| PID-29 | Patient Death Date and Time | | |
| PID-29.1 | Time | | |
| PID-30 | Patient Death Indicator | N | Value-Test Case Fixed |

PD1 : Patient Additional Demographic

| Location | Data Element | Data | Categorization |
|----------|---|------------------------------|------------------------------|
| PD1-11 | Publicity Code | | |
| PD1-11.1 | Identifier | 02 | Value-Test Case Fixed |
| PD1-11.2 | Text | Reminder/recall - any method | Presence-Test Case Proper |
| PD1-11.3 | Name of Coding System | HL70215 | Value-Profile Fixed |
| PD1-11.4 | Alternate Identifier | | |
| PD1-11.5 | Alternate Text | | |
| PD1-11.6 | Name of Alternate Coding System | | |
| PD1-12 | Protection Indicator | N | Value-Test Case Fixed |
| PD1-13 | Protection Indicator Effective Date | 20240405 | Presence-Content Indifferent |
| PD1-16 | Immunization Registry Status | A | Value-Test Case Fixed |
| PD1-17 | Immunization Registry Status Effective Date | 20240126 | Presence-Content Indifferent |
| PD1-18 | Publicity Code Effective Date | 20240405 | Presence-Content Indifferent |

NK1[*]

NK1 : Next of Kin / Associated Parties

| Location | Data Element | Data | Categorization |
|-----------|--------------|--------|-----------------------|
| NK1-1 | Set ID - NK1 | 1 | Value-Profile Fixed |
| NK1-2 | Name | | |
| NK1-2.1 | Family Name | | |
| NK1-2.1.1 | Surname | Duncan | Value-Test Case Fixed |

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| NK1-2.2 | Given Name | Ingrid | Value-Test Case Fixed |
| NK1-2.3 | Second and Further Given Names or Initials Thereof | Stacy | Presence-Content Indifferent |
| NK1-2.7 | Name Type Code | L | Value-Test Case Fixed |
| NK1-3 | Relationship | | |
| NK1-3.1 | Identifier | MTH | Value-Test Case Fixed |
| NK1-3.2 | Text | Mother | Presence-Test Case Proper |
| NK1-3.3 | Name of Coding System | HL70063 | Value-Profile Fixed |
| NK1-3.4 | Alternate Identifier | | |
| 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 | 749 Evergreen Ter. | Value-Test Case Fixed |
| NK1-4.2 | Other Designation | Unit A | Indifferent |
| NK1-4.3 | City | Springfield | Value-Test Case Fixed |
| NK1-4.4 | State or Province | OR | Value-Test Case Fixed |
| NK1-4.5 | Zip or Postal Code | 97477 | Value-Test Case Fixed |
| NK1-4.6 | Country | USA | Value-Test Case Fixed |
| NK1-4.7 | Address Type | P | Value-Test Case Fixed |
| NK1-5[1] | Phone Number | | |
| NK1-5[1].2 | Telecommunication Use Code | PRN | Value-Test Case Fixed |
| NK1-5[1].3 | Telecommunication Equipment Type | CP | Value-Test Case Fixed |
| NK1-5[1].4 | Email Address | | |
| NK1-5[1].6 | Area/City Code | 541 | Value-Test Case Fixed |
| NK1-5[1].7 | Local Number | 5551111 | Value-Test Case Fixed |
| NK1-5[2] | Phone Number | | |
| NK1-5[2].2 | Telecommunication Use Code | NET | Value-Test Case Fixed |
| NK1-5[2].3 | Telecommunication Equipment Type | X.400 | Presence-Test Case Proper |
| NK1-5[2].4 | Email Address | IIPMP@gmail.com | Presence-Content Indifferent |
| NK1-5[2].6 | Area/City Code | | |
| NK1-5[2].7 | Local Number | | |

NK1 : Next of Kin / Associated Parties

| Location | Data Element | Data | Categorization |
|-----------|--|---------|------------------------------|
| NK1-1 | Set ID - NK1 | 2 | Value-Profile Fixed |
| NK1-2 | Name | | |
| NK1-2.1 | Family Name | | |
| NK1-2.1.1 | Surname | Duncan | Value-Test Case Fixed |
| NK1-2.2 | Given Name | Simon | Value-Test Case Fixed |
| NK1-2.3 | Second and Further Given Names or Initials Thereof | Isaiah | Presence-Content Indifferent |
| NK1-2.7 | Name Type Code | L | Value-Test Case Fixed |
| NK1-3 | Relationship | | |
| NK1-3.1 | Identifier | FTH | Value-Test Case Fixed |
| NK1-3.2 | Text | Father | Presence-Test Case Proper |
| NK1-3.3 | Name of Coding System | HL70063 | Value-Profile Fixed |

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| NK1-3.4 | Alternate Identifier | | |
| 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 | 749 Evergreen Ter. | Value-Test Case Fixed |
| NK1-4.2 | Other Designation | Unit A | Indifferent |
| NK1-4.3 | City | Springfield | Value-Test Case Fixed |
| NK1-4.4 | State or Province | OR | Value-Test Case Fixed |
| NK1-4.5 | Zip or Postal Code | 97477 | Value-Test Case Fixed |
| NK1-4.6 | Country | USA | Value-Test Case Fixed |
| NK1-4.7 | Address Type | P | Value-Test Case Fixed |
| NK1-5 | Phone Number | | |
| NK1-5.2 | Telecommunication Use Code | PRN | Value-Test Case Fixed |
| NK1-5.3 | Telecommunication Equipment Type | CP | Value-Test Case Fixed |
| NK1-5.4 | Email Address | | |
| NK1-5.6 | Area/City Code | 541 | Value-Test Case Fixed |
| NK1-5.7 | Local Number | 5551233 | Value-Test Case Fixed |

ORC : Common Order

| Location | Data Element | Data | Categorization |
|------------|--|----------|------------------------------|
| ORC-1 | Order Control | RE | Value-Profile Fixed |
| ORC-2 | Placer Order Number | | |
| ORC-2.1 | Entity Identifier | 1115 | Presence-Content Indifferent |
| ORC-2.2 | Namespace ID | OFM | Presence-Content Indifferent |
| ORC-2.3 | Universal ID | | |
| ORC-2.4 | Universal ID Type | | |
| ORC-3 | Filler Order Number | | |
| ORC-3.1 | Entity Identifier | 2226 | Presence-Content Indifferent |
| ORC-3.2 | Namespace ID | OFM | Presence-Content Indifferent |
| ORC-3.3 | Universal ID | | |
| ORC-3.4 | Universal ID Type | | |
| ORC-10 | Entered By | | |
| ORC-10.1 | ID Number | 7824 | Presence-Content Indifferent |
| ORC-10.2 | Family Name | | |
| ORC-10.2.1 | Surname | Wyatt | Value-Test Case Fixed |
| ORC-10.3 | Given Name | Daniela | Value-Test Case Fixed |
| ORC-10.4 | Second and Further Given Names or Initials Thereof | Jennifer | Presence-Content Indifferent |
| ORC-10.9 | Assigning Authority | | |
| ORC-10.9.1 | Namespace ID | OFM-PI-1 | Presence-Content Indifferent |
| ORC-10.9.2 | Universal ID | | |
| ORC-10.9.3 | Universal ID Type | | |
| ORC-10.10 | Name Type Code | L | Value-Test Case Fixed |
| ORC-10.13 | Identifier Type Code | PRN | Value-Test Case Fixed |
| ORC-12 | Ordering Provider | | |
| ORC-12.1 | ID Number | | |
| ORC-12.2 | Family Name | | |

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|------------|--|------------------------|------------------------------|
| ORC-12.2.1 | Surname | | |
| ORC-12.3 | Given Name | | |
| ORC-12.4 | Second and Further Given Names or Initials Thereof | | |
| ORC-12.9 | Assigning Authority | | |
| ORC-12.9.1 | Namespace ID | | |
| ORC-12.9.2 | Universal ID | | |
| ORC-12.9.3 | Universal ID Type | | |
| ORC-12.10 | Name Type Code | | |
| ORC-12.13 | Identifier Type Code | | |
| ORC-17 | Entering Organization | | |
| ORC-17.1 | Identifier | 197028 | Presence-Content Indifferent |
| ORC-17.2 | Text | Oregon Family Medicine | Presence-Content Indifferent |
| ORC-17.3 | Name of Coding System | HL70362 | Value-Profile Fixed |
| ORC-17.4 | Alternate Identifier | | |
| ORC-17.5 | Alternate Text | | |
| ORC-17.6 | Name of Alternate Coding System | | |

RXA : Pharmacy/Treatment Administration

| Location | Data Element | Data | Categorization |
|----------|-----------------------------------|--|------------------------------|
| RXA-1 | Give Sub-ID Counter | 0 | Value-Profile Fixed |
| RXA-2 | Administration Sub-ID Counter | 1 | Value-Profile Fixed |
| RXA-3 | Date/Time Start of Administration | | |
| RXA-3.1 | Time | 20240405 | Presence-Content Indifferent |
| RXA-5 | Administered Code | | |
| RXA-5.1 | Identifier | 45 | Value-Test Case Fixed |
| RXA-5.2 | Text | Hep B, unspecified formulation | Presence-Test Case Proper |
| RXA-5.3 | Name of Coding System | CVX | Value-Profile Fixed |
| RXA-5.4 | Alternate Identifier | | Indifferent |
| RXA-5.5 | Alternate Text | | Indifferent |
| RXA-5.6 | Name of Alternate Coding System | | Indifferent |
| RXA-6 | Administered Amount | 999 | Value-Test Case Fixed |
| RXA-7 | Administered Units | | |
| RXA-7.1 | Identifier | | |
| RXA-7.2 | Text | | |
| RXA-7.3 | Name of Coding System | | |
| RXA-7.4 | Alternate Identifier | | |
| RXA-7.5 | Alternate Text | | |
| RXA-7.6 | Name of Alternate Coding System | | |
| RXA-9 | Administration Notes | | |
| RXA-9.1 | Identifier | 02 | Value-Test Case Fixed |
| RXA-9.2 | Text | Historical information - from other provider | Presence-Test Case Proper |
| RXA-9.3 | Name of Coding System | NIP001 | Value-Profile Fixed |
| RXA-9.4 | Alternate Identifier | | |
| RXA-9.5 | Alternate Text | | |
| RXA-9.6 | Name of Alternate Coding System | | |
| RXA-10 | Administering Provider | | |
| RXA-10.1 | ID Number | | |

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|------------|--|----|-----------------------|
| RXA-10.2 | Family Name | | |
| RXA-10.2.1 | Surname | | |
| RXA-10.3 | Given Name | | |
| RXA-10.4 | Second and Further Given Names or Initials Thereof | | |
| RXA-10.9 | Assigning Authority | | |
| RXA-10.9.1 | Namespace ID | | |
| RXA-10.9.2 | Universal ID | | |
| RXA-10.9.3 | Universal ID Type | | |
| RXA-10.10 | Name Type Code | | |
| RXA-10.13 | Identifier Type Code | | |
| RXA-11 | Administered-at Location | | |
| RXA-11.4 | Facility | | |
| RXA-11.4.1 | Namespace ID | | |
| RXA-11.4.2 | Universal ID | | |
| RXA-11.4.3 | Universal ID Type | | |
| RXA-15 | Substance Lot Number | | |
| RXA-16 | Substance Expiration Date | | |
| RXA-16.1 | Time | | |
| RXA-17 | Substance Manufacturer Name | | |
| RXA-17.1 | Identifier | | |
| RXA-17.2 | Text | | |
| RXA-17.3 | Name of Coding System | | |
| RXA-17.4 | Alternate Identifier | | |
| 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-18.4 | Alternate Identifier | | |
| RXA-18.5 | Alternate Text | | |
| RXA-18.6 | Name of Alternate Coding System | | |
| RXA-20 | Completion Status | CP | Value-Test Case Fixed |
| RXA-21 | Action Code - RXA | A | Value-Test Case Fixed |