

MSH : Message Header

| Location | Data Element | Data | Categorization |
|----------|----------------------------------|----------------------|------------------------------|
| MSH-1 | Field Separator | | |
| MSH-2 | Encoding Characters | ^~\& | |
| MSH-3 | Sending Application | | |
| MSH-3.1 | Namespace ID | Test EHR Application | |
| MSH-3.2 | Universal ID | | |
| MSH-3.3 | Universal ID Type | | |
| MSH-4 | Sending Facility | | |
| MSH-4.1 | Namespace ID | X68 | |
| 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 | NIST Test Iz Reg | |
| MSH-6.2 | Universal ID | | |
| MSH-6.3 | Universal ID Type | | |
| MSH-7 | Date/Time Of Message | | |
| MSH-7.1 | Time | 20120701082240-0500 | |
| 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 | NIST-IZ-001.00 | |
| 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 | IPEHRFAC | Presence-Content Indifferent |

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|------------|------------------------------------|-------------|------------------------------|
| MSH-22.6 | Assigning Authority | | |
| MSH-22.6.1 | Namespace ID | IIP-AA-IZ-1 | Presence-Content Indifferent |
| MSH-22.6.2 | Universal ID | | |
| MSH-22.6.3 | Universal ID Type | | |
| MSH-22.7 | Identifier Type Code | XX | Presence-Content Indifferent |
| MSH-22.10 | Organization Identifier | 100-1 | Presence-Content Indifferent |
| MSH-23 | Receiving Responsible Organization | | |
| MSH-23.1 | Organization Name | IPIISFAC | Presence-Content Indifferent |
| MSH-23.6 | Assigning Authority | | |
| MSH-23.6.1 | Namespace ID | IIP-AA-IZ-1 | Presence-Content Indifferent |
| MSH-23.6.2 | Universal ID | | |
| MSH-23.6.3 | Universal ID Type | | |
| MSH-23.7 | Identifier Type Code | XX | Presence-Content Indifferent |
| MSH-23.10 | Organization Identifier | 100-2 | Presence-Content Indifferent |

PID : Patient Identification

| Location | Data Element | Data | Categorization |
|--------------|-----------------------------------|----------|-----------------------|
| PID-1 | Set ID - PID | 1 | |
| PID-3[1] | Patient Identifier List | | |
| PID-3[1].1 | ID Number | 123456 | |
| PID-3[1].4 | Assigning Authority | | |
| PID-3[1].4.1 | Namespace ID | MYEHR | |
| PID-3[1].4.2 | Universal ID | | |
| PID-3[1].4.3 | Universal ID Type | | |
| PID-3[1].5 | Identifier Type Code | MR | |
| PID-3[2] | Patient Identifier List | | |
| PID-3[2].1 | ID Number | 987633 | |
| PID-3[2].4 | Assigning Authority | | |
| PID-3[2].4.1 | Namespace ID | MYIIS | |
| PID-3[2].4.2 | Universal ID | | |
| PID-3[2].4.3 | Universal ID Type | | |
| PID-3[2].5 | Identifier Type Code | SR | |
| PID-5 | Patient Name | | |
| PID-5.1 | Family Name | | |
| PID-5.1.1 | Surname | Gonzales | |
| PID-5.2 | Given Name | Juan | Value-Test Case Fixed |
| PID-5.3 | Second and Further Given Names or | Marcel | Value-Test Case Fixed |

| | | | |
|------------|----------------------------------|--------------------|-----------------------|
| | Initials Thereof | | |
| 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 | Morales | |
| PID-6.7 | Name Type Code | M | |
| PID-7 | Date/Time of Birth | | |
| PID-7.1 | Time | 201403041100 | Value-Test Case Fixed |
| PID-8 | Administrative Sex | M | Value-Test Case Fixed |
| PID-10 | Race | | |
| PID-10.1 | Identifier | 2106-3 | Value-Test Case Fixed |
| PID-10.2 | Text | White | Value-Test Case Fixed |
| PID-10.3 | Name of Coding System | CDCREC | Value-Test Case Fixed |
| PID-11 | Patient Address | | |
| PID-11.1 | Street Address | | |
| PID-11.1.1 | Street or Mailing Address | 4623 Standish Way | |
| PID-11.2 | Other Designation | | |
| PID-11.3 | City | Stamford | Value-Test Case Fixed |
| PID-11.4 | State or Province | CT | Value-Test Case Fixed |
| PID-11.5 | Zip or Postal Code | 06903 | Value-Test Case Fixed |
| PID-11.6 | Country | USA | Value-Test Case Fixed |
| PID-11.7 | Address Type | L | Value-Test Case Fixed |
| PID-13 | Phone Number - Home | | |
| PID-13.2 | Telecommunication Use Code | PRN | Value-Test Case Fixed |
| PID-13.3 | Telecommunication Equipment Type | PH | Value-Test Case Fixed |
| PID-13.4 | Email Address | | |
| PID-13.6 | Area/City Code | 203 | Value-Test Case Fixed |
| PID-13.7 | Local Number | 5551213 | Value-Test Case Fixed |
| PID-22 | Ethnic Group | | |
| PID-22.1 | Identifier | 2135-2 | Value-Test Case Fixed |
| PID-22.2 | Text | Hispanic or Latino | Value-Test Case Fixed |
| PID-22.3 | Name of Coding System | CDCREC | Value-Test Case Fixed |
| PID-24 | Multiple Birth Indicator | | |
| PID-25 | Birth Order | | |
| PID-29 | Patient Death Date and Time | | |
| PID-29.1 | Time | | |
| PID-30 | Patient Death Indicator | | |

| Location | Data Element | Data | Categorization |
|------------|--|--------|------------------------------|
| ORC-1 | Order Control | RE | |
| ORC-2 | Placer Order Number | | |
| ORC-2.1 | Entity Identifier | | |
| ORC-2.2 | Namespace ID | | |
| ORC-2.3 | Universal ID | | |
| ORC-2.4 | Universal ID Type | | |
| ORC-3 | Filler Order Number | | |
| ORC-3.1 | Entity Identifier | 197027 | |
| ORC-3.2 | Namespace ID | DCS | |
| ORC-3.3 | Universal ID | | |
| ORC-3.4 | Universal ID Type | | |
| ORC-10 | Entered By | | |
| ORC-10.1 | ID Number | | |
| ORC-10.2 | Family Name | | |
| ORC-10.2.1 | Surname | Molina | Presence-Content Indifferent |
| ORC-10.3 | Given Name | Sandra | Presence-Content Indifferent |
| ORC-10.4 | Second and Further Given Names or Initials Thereof | | |
| ORC-10.9 | Assigning Authority | | |
| ORC-10.9.1 | Namespace ID | | |
| ORC-10.9.2 | Universal ID | | |
| ORC-10.9.3 | Universal ID Type | | |
| ORC-10.10 | Name Type Code | | |
| ORC-10.13 | Identifier Type Code | | |
| ORC-12 | Ordering Provider | | |
| ORC-12.1 | ID Number | | |
| ORC-12.2 | Family Name | | |
| ORC-12.2.1 | Surname | Smith | |
| ORC-12.3 | Given Name | Frank | |
| 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 | L | |
| ORC-12.13 | Identifier Type Code | | |
| ORC-17 | Entering Organization | | |
| ORC-17.1 | Identifier | SP | Presence-Content Indifferent |
| | | | Presence-Content |

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|----------|-----------------------|----------------------|------------------------------|
| ORC-17.2 | Text | Shoreline Pediatrics | Indifferent |
| ORC-17.3 | Name of Coding System | HL70362 | Presence-Content Indifferent |

RXA : Pharmacy/Treatment Administration

| 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 | 20151031 | Value-Test Case Fixed |
| RXA-5 | Administered Code | | |
| RXA-5.1 | Identifier | 08 | Value-Test Case Fixed |
| RXA-5.2 | Text | Hepatitis B | Presence-Content Indifferent |
| RXA-5.3 | Name of Coding System | CVX | Value-Test Case Fixed |
| RXA-6 | Administered Amount | 0.5 | |
| RXA-7 | Administered Units | | |
| RXA-7.1 | Identifier | mL | |
| RXA-7.2 | Text | | |
| RXA-7.3 | Name of Coding System | UCUM | |
| RXA-9 | Administration Notes | | |
| RXA-9.1 | Identifier | 00 | Value-Test Case Fixed |
| RXA-9.2 | Text | | |
| RXA-9.3 | Name of Coding System | NIP001 | Value-Test Case Fixed |
| RXA-10 | Administering Provider | | |
| RXA-10.1 | ID Number | | |
| RXA-10.2 | Family Name | | |
| RXA-10.2.1 | Surname | Molina | |
| RXA-10.3 | Given Name | Sandra | |
| 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 | | |

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|------------|------------------------------------|--------------------------------|--|
| RXA-11.4.1 | Namespace ID | DCS_DC | |
| RXA-11.4.2 | Universal ID | | |
| RXA-11.4.3 | Universal ID Type | | |
| RXA-15 | Substance Lot Number | 6332FK26 | |
| RXA-16 | Substance Expiration Date | | |
| RXA-16.1 | Time | 20161031 | |
| RXA-17 | Substance Manufacturer Name | | |
| RXA-17.1 | Identifier | SKB | |
| RXA-17.2 | Text | GlaxoSmithKline Biologicals SA | |
| RXA-17.3 | Name of Coding System | MVX | |
| RXA-18 | Substance/Treatment Refusal Reason | | |
| RXA-18.1 | Identifier | | |
| RXA-18.2 | Text | | |
| RXA-18.3 | Name of Coding System | | |
| RXA-20 | Completion Status | CP | |
| RXA-21 | Action Code - RXA | D | |

RXR : Pharmacy/Treatment Route

| Location | Data Element | Data | Categorization |
|----------|-----------------------|--------------|----------------|
| RXR-1 | Route | | |
| RXR-1.1 | Identifier | C28161 | |
| RXR-1.2 | Text | IM | |
| RXR-1.3 | Name of Coding System | NCIT | |
| RXR-2 | Administration Site | | |
| RXR-2.1 | Identifier | LD | |
| RXR-2.2 | Text | Left Deltoid | |
| RXR-2.3 | Name of Coding System | HL70163 | |

OBX[*]

OBX : Observation/Result

| Location | Data Element | Data | Categorization |
|----------|------------------------|---------------------------|----------------|
| OBX-1 | Set ID - OBX | 1 | |
| OBX-2 | Value Type | CE | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 64994-7 | |
| OBX-3.2 | Text | vaccine fund pgm elig cat | |

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|----------|------------------------------|--------------|--|
| OBX-3.3 | Name of Coding System | LN | |
| OBX-4 | Observation Sub-ID | 1 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Identifier | V01 | |
| OBX-5.2 | Text | Not VFC elig | |
| OBX-5.3 | Name of Coding System | HL70064 | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | 20150715 | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |

OBX : Observation/Result

| Location | Data Element | Data | Categorization |
|----------|---------------------------|--------------|----------------|
| OBX-1 | Set ID - OBX | 2 | |
| OBX-2 | Value Type | CE | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 30956-7 | |
| OBX-3.2 | Text | vaccine type | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-4 | Observation Sub-ID | 2 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Identifier | 08 | |
| OBX-5.2 | Text | Hepatitis B | |
| OBX-5.3 | Name of Coding System | CVX | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-11 | Observation Result Status | F | |

| | | | |
|----------|------------------------------|--|--|
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |

OBX : Observation/Result

| Location | Data Element | Data | Categorization |
|----------|------------------------------|--|----------------|
| OBX-1 | Set ID - OBX | 3 | |
| OBX-2 | Value Type | TS | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 29768-9 | |
| OBX-3.2 | Text | Date vaccine information statement published | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-4 | Observation Sub-ID | 2 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Time | 20150715 | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |

OBX : Observation/Result

| Location | Data Element | Data | Categorization |
|----------|------------------------|---------|----------------|
| OBX-1 | Set ID - OBX | 4 | |
| OBX-2 | Value Type | TS | |
| OBX-3 | Observation Identifier | | |
| OBX-3.1 | Identifier | 29769-7 | |

| | | | |
|----------|------------------------------|--|--|
| OBX-3.2 | Text | Date vaccine information statement presented | |
| OBX-3.3 | Name of Coding System | LN | |
| OBX-4 | Observation Sub-ID | 2 | |
| OBX-5 | Observation Value | | |
| OBX-5.1 | Time | 20150715 | |
| OBX-6 | Units | | |
| OBX-6.1 | Identifier | | |
| OBX-6.2 | Text | | |
| OBX-6.3 | Name of Coding System | | |
| OBX-11 | Observation Result Status | F | |
| OBX-14 | Date/Time of the Observation | | |
| OBX-14.1 | Time | | |
| OBX-17 | Observation Method | | |
| OBX-17.1 | Identifier | | |
| OBX-17.2 | Text | | |
| OBX-17.3 | Name of Coding System | | |