MSH[1]

| Location  | Data Element                        | Data                | Categorization |
|-----------|-------------------------------------|---------------------|----------------|
| MSH-1     | Field Separator                     | Data                | Categorization |
| MSH-2     | Encoding Characters                 |                     |                |
| MSH-3     | Sending Application                 | ~\α                 |                |
| MSH-3.1   | Namespace ID                        | MYIIS               |                |
| MSH-3.2   | Universal ID                        | WHIIS               |                |
| MSH-3.3   | Universal ID Type                   |                     |                |
| MSH-4     | Sending Facility                    |                     |                |
| MSH-4.1   | Namespace ID                        | MyStateIIS          |                |
| MSH-4.2   | Universal ID                        | Wystatens           |                |
| MSH-4.3   | Universal ID Type                   |                     |                |
| MSH-5     | Receiving Application               |                     |                |
| MSH-5.1   | Namespace ID                        | MYEHR               |                |
| MSH-5.1   | Universal ID                        | MYEHK               |                |
| MSH-5.3   | Universal ID Type                   |                     |                |
| MSH-6     | Receiving Facility                  |                     |                |
| MSH-6.1   | Namespace ID                        | Myclinic            |                |
| MSH-6.2   | Universal ID                        | Wrychine            |                |
| MSH-6.3   | Universal ID Type                   |                     |                |
| MSH-7     | Date/Time Of Message                |                     |                |
| MSH-7.1   | Time                                | 20221031020020-0500 |                |
| MSH-9     | Message Type                        | 20221031020020-0300 |                |
| MSH-9.1   | Message Code                        | RSP                 |                |
| MSH-9.2   | Trigger Event                       | K11                 |                |
| MSH-9.3   | Message Structure                   | RSP_K11             |                |
| MSH-10    | Message Control ID                  | 7731029             |                |
| MSH-11    | Processing ID                       | 1731029             |                |
| MSH-11.1  | Processing ID                       | P                   |                |
| MSH-12    | Version ID                          | I .                 |                |
| MSH-12.1  | Version ID                          | 2.5.1               |                |
| MSH-15    | Accept Acknowledgment Type          | NE NE               |                |
| MSH-16    | Application Acknowledgment Type     | NE                  |                |
| MSH-21    | Message Profile Identifier          |                     |                |
| MSH-21.1  | Entity Identifier                   | Z42                 |                |
| MSH-21.2  | Namespace ID                        | CDCPHINVS           |                |
| MSH-21.3  | Universal ID                        | CDC11III.V5         |                |
| MSH-21.4  | Universal ID Type                   |                     |                |
| MSH-22    | Sending Responsible<br>Organization |                     |                |
| MSH-22.1  | Organization Name                   | A Clinic            |                |
| MSH-22.6  | Assigning Authority                 |                     |                |
| MSH-22.7  | Identifier Type Code                | AN                  |                |
| MSH-22.10 | Organization Identifier             | A_Clinic1234        |                |
| MSH-23    | Receiving Responsible Organization  |                     |                |
| MSH-23.1  | Organization Name                   |                     |                |
| MSH-23.6  | Assigning Authority                 |                     |                |
| MSH-23.7  | Identifier Type Code                |                     |                |
| MSH-23.10 | Organization Identifier             |                     |                |

MSA[1]

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
|----------|--------------|------|----------------|

| MSA-1 | Acknowledgment Code | AA     |  |
|-------|---------------------|--------|--|
| MSA-2 | Message Control ID  | 793543 |  |

### QAK[1]

| Location | Data Element          | Data                                   | Categorization |
|----------|-----------------------|--|----------------|
| QAK-1    | Query Tag             | 37374859                               |                |
| QAK-2    | Query Response Status | OK                                     |                |
| QAK-3    | Message Query Name    |  |                |
| QAK-3.1  | Identifier            | Z44                                    |                |
| QAK-3.2  | Text                  | Request Evaluated History and Forecast |                |
| QAK-3.3  | Name of Coding System | CDCPHINVS                              |                |

### QPD[1]

| Location  | Data Element  | Data                                   | Categorization |
|-----------|---|--|----------------|
| QPD-1     | Message Query Name                                    |  |                |
| QPD-1.1   | Identifier  | Z44                                    |                |
| QPD-1.2   | Text  | Request Evaluated History and Forecast |                |
| QPD-1.3   | Name of Coding System                                 | CDCPHINVS                              |                |
| QPD-2     | Query Tag   | 37374859                               |                |
| QPD-3     | PatientList   |  |                |
| QPD-3.1   | ID Number   | 123456                                 |                |
| QPD-3.4   | Assigning Authority                                   |  |                |
| QPD-3.5   | Identifier Type Code                                  | MR                                     |                |
| QPD-4     | PatientName   |  |                |
| QPD-4.1   | Family Name   |  |                |
| QPD-4.1.1 | Surname   | Gonzales                               |                |
| QPD-4.2   | Given Name  | Juana                                  |                |
| QPD-4.3   | Second and Further Given<br>Names or Initials Thereof | Maria                                  |                |
| QPD-4.7   | Name Type Code  | L                                      |                |
| QPD-5     | PatientMotherMaidenName                               |  |                |
| QPD-5.1   | Family Name   |  |                |
| QPD-5.1.1 | Surname   | Morales                                |                |
| QPD-5.7   | Name Type Code  | M                                      |                |
| QPD-6     | PatientDateOfBirth                                    |  |                |
| QPD-6.1   | Time  | 202210011115                           |                |
| QPD-7     | Patient Sex   | F                                      |                |
| QPD-8     | Patient Address                                       |  |                |
| QPD-8.1   | Street Address  |  |                |
| QPD-8.1.1 | Street or Mailing<br>Address                          | 3321 Standish Way                      |                |
| QPD-8.2   | Other Designation                                     |  |                |
| QPD-8.3   | City  | Stamford                               |                |
| QPD-8.4   | State or Province                                     | CT                                     |                |
| QPD-8.5   | Zip or Postal Code                                    | 06903                                  |                |
| QPD-8.6   | Country   | USA                                    |                |
| QPD-8.7   | Address Type  | L                                      |                |
| QPD-9     | Phone   |  |                |
| QPD-9.2   | Telecommunication Use<br>Code                         | PRN                                    |                |
| QPD-9.3   | Telecommunication Equipment Type                      | СР                                     |                |
| QPD-9.4   | Email Address   |  |                |
| QPD-9.6   | Area/City Code  | 203                                    |                |

| QPD-9.7 | Local Number             | 5551214 |  |
|---------|--------------------------|---------|--|
| QPD-10  | Multiple birth indicator | Y       |  |
| QPD-11  | Birth order              | 2       |  |

### PID[1]

| Location Data Element Data Categorization             |   |  |  |  |
|---|---|--|--|--|
| Data Element  | Data  | Categorization   |  |  |
| Set ID - PID  | 1   |  |  |  |
| Patient Identifier List                               |   |  |  |  |
| ID Number   | 123456  |  |  |  |
| Assigning Authority                                   |   |  |  |  |
| Identifier Type Code                                  | MR  |  |  |  |
| Patient Identifier List                               |   |  |  |  |
| ID Number   | 987633  |  |  |  |
| Assigning Authority                                   |   |  |  |  |
| Identifier Type Code                                  | SR  |  |  |  |
| Patient Name  |   |  |  |  |
| Family Name   |   |  |  |  |
| Surname   | Morales   |  |  |  |
| Given Name  | BG2   |  |  |  |
| Second and Further Given<br>Names or Initials Thereof |   |  |  |  |
| Name Type Code  | L   |  |  |  |
| Date/Time of Birth                                    |   |  |  |  |
| Time  | 202210011115  |  |  |  |
| Administrative Sex                                    | F   |  |  |  |
| Patient Address                                       |   |  |  |  |
| Street Address  |   |  |  |  |
| Street or Mailing<br>Address                          | 3321 Standish Way   |  |  |  |
| Other Designation                                     |   |  |  |  |
| City  | Stamford  |  |  |  |
| State or Province                                     | CT  |  |  |  |
| Zip or Postal Code                                    | 06903   |  |  |  |
| Country   | USA   |  |  |  |
| Address Type  | L   |  |  |  |
| Patient Death Indicator                               |   |  |  |  |
|   | Patient Identifier List  ID Number  Assigning Authority  Identifier Type Code  Patient Identifier List  ID Number  Assigning Authority  Identifier Type Code  Patient Name  Family Name  Surname  Given Name  Second and Further Given Names or Initials Thereof  Name Type Code  Date/Time of Birth  Time  Administrative Sex  Patient Address  Street Address  Street or Mailing Address  Other Designation  City  State or Province  Zip or Postal Code  Country  Address Type | Set ID - PID 1 Patient Identifier List ID Number 123456 Assigning Authority Identifier Type Code MR Patient Identifier List ID Number 987633 Assigning Authority Identifier Type Code SR Patient Name Surname Morales Given Name BG2 Second and Further Given Names or Initials Thereof Name Type Code L Date/Time of Birth Time 202210011115 Administrative Sex F Patient Address Street Address Street or Mailing Address Other Designation City Stamford State or Province CT Zip or Postal Code 06903 Country USA Address Type Lites |  |  |

### IZ\_HISTORY\_FORECAST[1].ORC[1]

| in_morext_reactificate[r] |                       |                            |                |
|---------------------------|-----------------------|----------------------------|----------------|
| 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     | 1970230                    |                |
| ORC-3.2                   | Namespace ID          | SRH                        |                |
| ORC-3.3                   | Universal ID          |                            |                |
| ORC-3.4                   | Universal ID Type     |                            |                |
| ORC-17                    | Entering Organization |                            |                |
| ORC-17.1                  | Identifier            | SRH                        |                |
| ORC-17.2                  | Text                  | Stamford Regional Hospital |                |
| ORC-17.3                  | Name of Coding System | HL70362                    |                |

# IZ\_HISTORY\_FORECAST[1].RXA[1]

| RXA-1         Give Sub-ID Counter         0           RXA-2         Administration Sub-ID Counter         1           RXA-3         Date/Time Start of Administration         20221001           RXA-3.1         Time         20221001           RXA-5         Administered Code         4           RXA-5.1         Identifier         08           RXA-5.2         Text         Hepatitis B           RXA-5.3         Name of Coding System         CVX           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           RXA-9.2         Text           RXA-9.3         Name of Coding System         NIP001           RXA-10         Administering Provider           RXA-10.1         ID Number           RXA-10.2         Family Name           Pike  |  |
|---|--|
| RXA-2         Counter         I           RXA-3         Date/Time Start of Administration         20221001           RXA-3.1         Time         20221001           RXA-5         Administered Code         4           RXA-5.1         Identifier         08           RXA-5.2         Text         Hepatitis B           RXA-5.3         Name of Coding System         CVX           RXA-6         Administered Amount         0.5           RXA-7         Administered Units         mL           RXA-7.1         Identifier         mL           RXA-7.2         Text         UCUM           RXA-7.3         Name of Coding System         UCUM           RXA-9         Administration Notes         4           RXA-9.1         Identifier         00           RXA-9.2         Text         8           RXA-9.3         Name of Coding System         NIP001           RXA-10         Administering Provider         8           RXA-10.1         ID Number         1D Number           RXA-10.2         Family Name   |  |
| RXA-3   |  |
| RXA-5 RXA-5.1 Identifier  RXA-5.2 Text Hepatitis B RXA-5.3 Name of Coding System CVX RXA-6 Administered Amount RXA-7 Administered Units RXA-7.1 Identifier RXA-7.2 Text RXA-7.3 Name of Coding System UCUM RXA-9 Administration Notes RXA-9.1 RXA-9.2 Text RXA-9.3 Name of Coding System NIP001 RXA-10 RXA-10 ID Number RXA-10.1 RXA-10.2 Family Name   |  |
| RXA-5.1         Identifier         08           RXA-5.2         Text         Hepatitis B           RXA-5.3         Name of Coding System         CVX           RXA-6         Administered Amount         0.5           RXA-7         Administered Units         mL           RXA-7.1         Identifier         mL           RXA-7.2         Text         UCUM           RXA-7.3         Name of Coding System         UCUM           RXA-9         Administration Notes         RXA-9.1           RXA-9.1         Identifier         00           RXA-9.2         Text         RXA-9.3           RXA-9.3         Name of Coding System         NIP001           RXA-10         Administering Provider           RXA-10.1         ID Number           RXA-10.2         Family Name  |  |
| RXA-5.2 Text Hepatitis B  RXA-5.3 Name of Coding System CVX  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  RXA-9.2 Text  RXA-9.3 Name of Coding System NIP001  RXA-10 Administering Provider  RXA-10.1 ID Number  RXA-10.2 Family Name   |  |
| RXA-5.3 Name of Coding System CVX  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  RXA-9.2 Text  RXA-9.3 Name of Coding System NIP001  RXA-10 Administering Provider  RXA-10.1 ID Number  RXA-10.2 Family Name   |  |
| 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  RXA-9.2 Text  RXA-9.3 Name of Coding System NIP001  RXA-10 Administering Provider  RXA-10.1 ID Number  RXA-10.2 Family Name  |  |
| RXA-7         Administered Units           RXA-7.1         Identifier           RXA-7.2         Text           RXA-7.3         Name of Coding System         UCUM           RXA-9         Administration Notes           RXA-9.1         Identifier         00           RXA-9.2         Text           RXA-9.3         Name of Coding System         NIP001           RXA-10         Administering Provider           RXA-10.1         ID Number           RXA-10.2         Family Name  |  |
| RXA-7.1         Identifier         mL           RXA-7.2         Text         Image: Control of the co |  |
| RXA-7.2         Text           RXA-7.3         Name of Coding System         UCUM           RXA-9         Administration Notes           RXA-9.1         Identifier         00           RXA-9.2         Text           RXA-9.3         Name of Coding System         NIP001           RXA-10         Administering Provider           RXA-10.1         ID Number           RXA-10.2         Family Name  |  |
| RXA-7.3 Name of Coding System UCUM  RXA-9 Administration Notes  RXA-9.1 Identifier 00  RXA-9.2 Text  RXA-9.3 Name of Coding System NIP001  RXA-10 Administering Provider  RXA-10.1 ID Number  RXA-10.2 Family Name  |  |
| RXA-9         Administration Notes           RXA-9.1         Identifier         00           RXA-9.2         Text         00           RXA-9.3         Name of Coding System         NIP001           RXA-10         Administering Provider           RXA-10.1         ID Number           RXA-10.2         Family Name   |  |
| RXA-9.1 Identifier 00  RXA-9.2 Text  RXA-9.3 Name of Coding System NIP001  RXA-10 Administering Provider  RXA-10.1 ID Number  RXA-10.2 Family Name  |  |
| RXA-9.2 Text  RXA-9.3 Name of Coding System NIP001  RXA-10 Administering Provider  RXA-10.1 ID Number  RXA-10.2 Family Name   |  |
| RXA-9.3 Name of Coding System NIP001  RXA-10 Administering Provider  RXA-10.1 ID Number  RXA-10.2 Family Name   |  |
| RXA-10 Administering Provider  RXA-10.1 ID Number  RXA-10.2 Family Name   |  |
| RXA-10.1 ID Number RXA-10.2 Family Name   |  |
| RXA-10.2 Family Name  |  |
| ·   |  |
| DVA 10.2.1 Surnama Dilea  |  |
| KAA-10.2.1 Suitaine Pike  |  |
| RXA-10.3 Given Name Susan   |  |
| RXA-10.4 Second and Further Given Names or Initials Thereof   |  |
| RXA-10.9 Assigning Authority  |  |
| RXA-10.10 Name Type Code  |  |
| RXA-10.13 Identifier Type Code  |  |
| RXA-11 Administered-at Location   |  |
| RXA-11.4 Facility   |  |
| RXA-17 Substance Manufacturer Name  |  |
| RXA-17.1 Identifier SKB   |  |
| RXA-17.2 Text GlaxoSmithKline<br>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   |  |

# IZ\_HISTORY\_FORECAST[1].RXR[1]

| 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            | LT         |                |
| RXR-2.2  | Text                  | Left Thigh |                |
| RXR-2.3  | Name of Coding System | HL70163    |                |

### IZ\_HISTORY\_FORECAST[1].OBSERVATION[1].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                      | 30956-7                        |                |
| OBX-3.2  | Text                            | vaccine type                   |                |
| OBX-3.3  | Name of Coding System           | LN                             |                |
| OBX-4    | Observation Sub-ID              | 1                              |                |
| OBX-5    | Observation Value               |                                |                |
| OBX-5.1  | Identifier                      | 45                             |                |
| OBX-5.2  | Text                            | Hep B, unspecified formulation |                |
| 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<br>Observation |                                |                |
| OBX-14.1 | Time                            |                                |                |

IZ\_HISTORY\_FORECAST[1].OBSERVATION[2].OBX[1]

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

### IZ\_HISTORY\_FORECAST[1].OBSERVATION[3].OBX[1]

| ID_INSTORE_LORDSCIRE [K]NOBSBERT (III) |                        |                       |                |
|--|------------------------|-----------------------|----------------|
| Location                               | Data Element           | Data                  | Categorization |
| OBX-1                                  | Set ID - OBX           | 3                     |                |
| OBX-2                                  | Value Type             | NM                    |                |
| OBX-3                                  | Observation Identifier |                       |                |
| OBX-3.1                                | Identifier             | 30973-2               |                |
| OBX-3.2                                | Text                   | dose number in series |                |
| OBX-3.3                                | Name of Coding System  | LN                    |                |
| OBX-4                                  | Observation Sub-ID     | 1                     |                |
| OBX-5                                  | Observation Value      | 1                     |                |
| OBX-6                                  | Units                  |                       |                |

| OBX-6.1  | Identifier                   | NA      |  |
|----------|------------------------------|---------|--|
| OBX-6.2  | Text                         |         |  |
| OBX-6.3  | Name of Coding System        | HL70353 |  |
| OBX-11   | Observation Result Status    | F       |  |
| OBX-14   | Date/Time of the Observation |         |  |
| OBX-14.1 | Time                         |         |  |

IZ HISTORY FORECAST[1].OBSERVATION[4].OBX[1]

| Location | Data Element                 | Data                      | Categorization |
|----------|------------------------------|---------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                         |                |
| OBX-2    | Value Type                   | NM                        |                |
| OBX-3    | Observation Identifier       |                           |                |
| OBX-3.1  | Identifier                   | 59782-3                   |                |
| OBX-3.2  | Text                         | number of doses in series |                |
| OBX-3.3  | Name of Coding System        | LN                        |                |
| OBX-4    | Observation Sub-ID           | 1                         |                |
| OBX-5    | Observation Value            | 3                         |                |
| OBX-6    | Units                        |                           |                |
| OBX-6.1  | Identifier                   | NA                        |                |
| OBX-6.2  | Text                         |                           |                |
| OBX-6.3  | Name of Coding System        | HL70353                   |                |
| OBX-11   | Observation Result Status    | F                         |                |
| OBX-14   | Date/Time of the Observation |                           |                |
| OBX-14.1 | Time                         |                           |                |

IZ\_HISTORY\_FORECAST[1].OBSERVATION[5].OBX[1]

| Location | Data Element                 | Data          | Categorization |
|----------|------------------------------|---------------|----------------|
| OBX-1    | Set ID - OBX                 | 5             |                |
| OBX-2    | Value Type                   | ID            |                |
| OBX-3    | Observation Identifier       |               |                |
| OBX-3.1  | Identifier                   | 59781-5       |                |
| OBX-3.2  | Text                         | Dose validity |                |
| OBX-3.3  | Name of Coding System        | LN            |                |
| OBX-4    | Observation Sub-ID           | 1             |                |
| OBX-5    | Observation Value            | Y             |                |
| 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                         |               |                |

IZ\_HISTORY\_FORECAST[2].ORC[1]

| IB_INSTORT_LORDERS TEllowe[1] |                     |      |                |  |
|-------------------------------|---------------------|------|----------------|--|
| 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     | 9999              |  |
|----------------------|-----------------------|-------------------|--|
| ORC-3.2              | Namespace ID          | DCS               |  |
| ORC-3.3              | Universal ID          |                   |  |
| ORC-3.4              | Universal ID Type     |                   |  |
| ORC-17               | Entering Organization |                   |  |
|                      | 1                     |                   |  |
| ORC-17.1             | Identifier            | STIIS             |  |
| ORC-17.1<br>ORC-17.2 | Identifier   Text     | STIIS<br>StateIIS |  |

# IZ\_HISTORY\_FORECAST[2].RXA[1]

| 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<br>Administration                  |                  |                |
| RXA-3.1    | Time  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |                |
| RXA-17.1   | Identifier  |                  |                |
| RXA-17.2   | Text  |                  |                |
| RXA-17.3   | Name of Coding System                                 |                  |                |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |                |
| RXA-18.1   | Identifier  |                  |                |
| RXA-18.2   | Text  |                  |                |
| RXA-18.3   | Name of Coding System                                 |                  |                |
| RXA-20     | Completion Status                                     | NA               |                |

### IZ\_HISTORY\_FORECAST[2].OBSERVATION[1].OBX[1]

| OBX-1    | Set ID - OBX                 | 1                              |
|----------|------------------------------|--------------------------------|
| 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           | 1                              |
| OBX-5    | Observation Value            |                                |
| OBX-5.1  | Identifier                   | 45                             |
| OBX-5.2  | Text                         | Hep B, unspecified formulation |
| 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                         |                                |

#### IZ\_HISTORY\_FORECAST[2].OBSERVATION[2].OBX[1]

| Location Data Element Data Categorization |                              |                            |                |  |
|---|------------------------------|----------------------------|----------------|--|
|   |                              |                            | Categorization |  |
| OBX-1                                     | Set ID - OBX                 | 2                          |                |  |
| OBX-2                                     | Value Type                   | CE                         |                |  |
| OBX-3                                     | Observation Identifier       |                            |                |  |
| OBX-3.1                                   | Identifier                   | 59779-9                    |                |  |
| OBX-3.2                                   | Text                         | Immunization Schedule used |                |  |
| OBX-3.3                                   | Name of Coding System        | LN                         |                |  |
| OBX-4                                     | Observation Sub-ID           | 1                          |                |  |
| OBX-5                                     | Observation Value            |                            |                |  |
| OBX-5.1                                   | Identifier                   | VXC16                      |                |  |
| OBX-5.2                                   | Text                         | ACIP                       |                |  |
| OBX-5.3                                   | Name of Coding System        | CDCPHINVS                  |                |  |
| 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                         | 20221031                   |                |  |

# IZ\_HISTORY\_FORECAST[2].OBSERVATION[3].OBX[1]

| Location | Data Element           | Data                  | Categorization |
|----------|------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX           | 3                     |                |
| OBX-2    | Value Type             | DT                    |                |
| OBX-3    | Observation Identifier |                       |                |
| OBX-3.1  | Identifier             | 30981-5               |                |
| OBX-3.2  | Text                   | Earliest date to give |                |
| OBX-3.3  | Name of Coding System  | LN                    |                |
| OBX-4    | Observation Sub-ID     | 1                     |                |
| OBX-5    | Observation Value      | 20221031              |                |
| 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<br>Observation |   |  |
| OBX-14.1 | Time                            |   |  |

# IZ\_HISTORY\_FORECAST[2].OBSERVATION[4].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221031             |                |
| 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                         |                      |                |

### IZ\_HISTORY\_FORECAST[2].OBSERVATION[5].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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                         |                      |                |

# IZ\_HISTORY\_FORECAST[2].OBSERVATION[6].OBX[1]

| Location | Data Element           | Data                  | Categorization |
|----------|------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX           | 6                     |                |
| OBX-2    | Value Type             | NM                    |                |
| OBX-3    | Observation Identifier |                       |                |
| OBX-3.1  | Identifier             | 30973-2               |                |
| OBX-3.2  | Text                   | dose number in series |                |
| OBX-3.3  | Name of Coding System  | LN                    |                |
| OBX-4    | Observation Sub-ID     | 1                     |                |
| OBX-5    | Observation Value      | 2                     |                |
| OBX-6    | Units                  |                       |                |

| OBX-6.1  | Identifier                   | NA       |  |
|----------|------------------------------|----------|--|
| OBX-6.2  | Text                         |          |  |
| OBX-6.3  | Name of Coding System        | HL70353  |  |
| OBX-11   | Observation Result Status    | F        |  |
| OBX-14   | Date/Time of the Observation |          |  |
| OBX-14.1 | Time                         | 20221216 |  |

IZ\_HISTORY\_FORECAST[3].ORC[1]

| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

IZ HISTORY FORECAST[3].RXA[1]

| 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  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |

| RXA-10.13 | Identifier Type Code                  |    |
|-----------|---------------------------------------|----|
| RXA-11    | Administered-at Location              |    |
| RXA-11.4  | Facility                              |    |
| RXA-17    | Substance Manufacturer<br>Name        |    |
| RXA-17.1  | Identifier                            |    |
| RXA-17.2  | Text                                  |    |
| RXA-17.3  | Name of Coding System                 |    |
| RXA-18    | Substance/Treatment<br>Refusal Reason |    |
| RXA-18.1  | Identifier                            |    |
| RXA-18.2  | Text                                  |    |
| RXA-18.3  | Name of Coding System                 |    |
| RXA-20    | Completion Status                     | NA |

# IZ\_HISTORY\_FORECAST[3].OBSERVATION[1].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                   | 30956-7                       |                |
| OBX-3.2  | Text                         | vaccine type                  |                |
| OBX-3.3  | Name of Coding System        | LN                            |                |
| OBX-4    | Observation Sub-ID           | 1                             |                |
| OBX-5    | Observation Value            |                               |                |
| OBX-5.1  | Identifier                   | 107                           |                |
| OBX-5.2  | Text                         | DTaP, unspecified formulation |                |
| 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                         |                               |                |

# IZ\_HISTORY\_FORECAST[3].OBSERVATION[2].OBX[1]

| Location | Data Element              | Data                       | Categorization |
|----------|---------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX              | 2                          |                |
| OBX-2    | Value Type                | CE                         |                |
| OBX-3    | Observation Identifier    |                            |                |
| OBX-3.1  | Identifier                | 59779-9                    |                |
| OBX-3.2  | Text                      | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System     | LN                         |                |
| OBX-4    | Observation Sub-ID        | 1                          |                |
| OBX-5    | Observation Value         |                            |                |
| OBX-5.1  | Identifier                | VXC16                      |                |
| OBX-5.2  | Text                      | ACIP                       |                |
| OBX-5.3  | Name of Coding System     | CDCPHINVS                  |                |
| 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<br>Observation |          |  |
|----------|---------------------------------|----------|--|
| OBX-14.1 | Time                            | 20221031 |  |

# IZ\_HISTORY\_FORECAST[3].OBSERVATION[3].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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                         |                       |                |

### IZ\_HISTORY\_FORECAST[3].OBSERVATION[4].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221130             |                |
| 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                         |                      |                |

#### IZ HISTORY FORECAST[3].OBSERVATION[5].OBX[1]

| 12_Instort_Forecast[5].observation[5].oba[1] |                        |                      |                |  |
|--|------------------------|----------------------|----------------|--|
| Location                                     | Data Element           | Data                 | Categorization |  |
| OBX-1  | Set ID - OBX           | 5                    |                |  |
| OBX-2  | Value Type             | DT                   |                |  |
| OBX-3  | Observation Identifier |                      |                |  |
| OBX-3.1                                      | Identifier             | 59778-1              |                |  |
| OBX-3.2                                      | Text                   | Date dose is overdue |                |  |
| OBX-3.3                                      | Name of Coding System  | LN                   |                |  |
| OBX-4  | Observation Sub-ID     | 1                    |                |  |
| OBX-5  | Observation Value      | 20230101             |                |  |
| 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<br>Observation |   |  |
| OBX-14.1 | Time                            |   |  |

IZ\_HISTORY\_FORECAST[3].OBSERVATION[6].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

IZ\_HISTORY\_FORECAST[4].ORC[1]

| m_merent_remenent/herrelt/ |                       |          |                |  |
|----------------------------|-----------------------|----------|----------------|--|
| 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     | 9999     |                |  |
| ORC-3.2                    | Namespace ID          | DCS      |                |  |
| ORC-3.3                    | Universal ID          |          |                |  |
| ORC-3.4                    | Universal ID Type     |          |                |  |
| ORC-17                     | Entering Organization |          |                |  |
| ORC-17.1                   | Identifier            | STIIS    |                |  |
| ORC-17.2                   | Text                  | StateIIS |                |  |
| ORC-17.3                   | Name of Coding System | HL70362  |                |  |

IZ\_HISTORY\_FORECAST[4].RXA[1]

| 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                              | 20221031         |                |
| RXA-5    | Administered Code                 |                  |                |
| RXA-5.1  | Identifier                        | 998              |                |
| RXA-5.2  | Text                              | no vaccine admin |                |
| RXA-5.3  | Name of Coding System             | CVX              |                |
| RXA-6    | Administered Amount               | 999              |                |
| RXA-7    | Administered Units                |                  |                |

| RXA-7.1    | Identifier  |    |
|------------|---|----|
| RXA-7.2    | Text  |    |
| RXA-7.3    | Name of Coding System                                 |    |
| RXA-9      | Administration Notes                                  |    |
| RXA-9.1    | Identifier  |    |
| RXA-9.2    | Text  |    |
| RXA-9.3    | Name of Coding System                                 |    |
| RXA-10     | Administering Provider                                |    |
| RXA-10.1   | ID Number   |    |
| RXA-10.2   | Family Name   |    |
| RXA-10.2.1 | Surname   |    |
| RXA-10.3   | Given Name  |    |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |    |
| RXA-10.9   | Assigning Authority                                   |    |
| RXA-10.10  | Name Type Code  |    |
| RXA-10.13  | Identifier Type Code                                  |    |
| RXA-11     | Administered-at Location                              |    |
| RXA-11.4   | Facility  |    |
| RXA-17     | Substance Manufacturer<br>Name                        |    |
| RXA-17.1   | Identifier  |    |
| RXA-17.2   | Text  |    |
| RXA-17.3   | Name of Coding System                                 |    |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |    |
| RXA-18.1   | Identifier  |    |
| RXA-18.2   | Text  |    |
| RXA-18.3   | Name of Coding System                                 |    |
| RXA-20     | Completion Status                                     | NA |

#### IZ\_HISTORY\_FORECAST[4].OBSERVATION[1].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                   | 30956-7      |                |
| OBX-3.2  | Text                         | vaccine type |                |
| OBX-3.3  | Name of Coding System        | LN           |                |
| OBX-4    | Observation Sub-ID           | 1            |                |
| OBX-5    | Observation Value            |              |                |
| OBX-5.1  | Identifier                   | 17           |                |
| OBX-5.2  | Text                         | Hib          |                |
| 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                         |              |                |

### IZ\_HISTORY\_FORECAST[4].OBSERVATION[2].OBX[1]

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
|----------|--------------|------|----------------|

| OBX-1    | Set ID - OBX                    | 2                          |  |
|----------|---------------------------------|----------------------------|--|
| OBX-2    | Value Type                      | CE                         |  |
| OBX-3    | Observation Identifier          |                            |  |
| OBX-3.1  | Identifier                      | 59779-9                    |  |
| OBX-3.2  | Text                            | Immunization Schedule used |  |
| OBX-3.3  | Name of Coding System           | LN                         |  |
| OBX-4    | Observation Sub-ID              | 1                          |  |
| OBX-5    | Observation Value               |                            |  |
| OBX-5.1  | Identifier                      | VXC16                      |  |
| OBX-5.2  | Text                            | ACIP                       |  |
| OBX-5.3  | Name of Coding System           | CDCPHINVS                  |  |
| 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<br>Observation |                            |  |
| OBX-14.1 | Time                            | 20221031                   |  |

### IZ\_HISTORY\_FORECAST[4].OBSERVATION[3].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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                         |                       |                |

# IZ\_HISTORY\_FORECAST[4].OBSERVATION[4].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221130             |                |
| 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 |  |  |
|----------|------|--|--|
|          |      |  |  |

# IZ\_HISTORY\_FORECAST[4].OBSERVATION[5].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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                         |                      |                |

# IZ\_HISTORY\_FORECAST[4].OBSERVATION[6].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

#### IZ\_HISTORY\_FORECAST[5].ORC[1]

| 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     | 9999  |                |
| ORC-3.2  | Namespace ID          | DCS   |                |
| ORC-3.3  | Universal ID          |       |                |
| ORC-3.4  | Universal ID Type     |       |                |
| ORC-17   | Entering Organization |       |                |
| ORC-17.1 | Identifier            | STIIS |                |

| ORC-17.2 | Text                  | StateIIS |  |
|----------|-----------------------|----------|--|
| ORC-17.3 | Name of Coding System | HL70362  |  |

### IZ\_HISTORY\_FORECAST[5].RXA[1]

| 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  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |                |
| RXA-17.1   | Identifier  |                  |                |
| RXA-17.2   | Text  |                  |                |
| RXA-17.3   | Name of Coding System                                 |                  |                |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |                |
| RXA-18.1   | Identifier  |                  |                |
| RXA-18.2   | Text  |                  |                |
| RXA-18.3   | Name of Coding System                                 |                  |                |
| RXA-20     | Completion Status                                     | NA               |                |

# IZ\_HISTORY\_FORECAST[5].OBSERVATION[1].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             | 30956-7      |                |
| OBX-3.2  | Text                   | vaccine type |                |
| OBX-3.3  | Name of Coding System  | LN           |                |

| OBX-4    | Observation Sub-ID           | 1   |
|----------|------------------------------|-----|
| OBX-5    | Observation Value            |     |
| OBX-5.1  | Identifier                   | 10  |
| OBX-5.2  | Text                         | IPV |
| 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                         |     |

IZ\_HISTORY\_FORECAST[5].OBSERVATION[2].OBX[1]

| Location | Data Element                    | Data                       | Categorization |
|----------|---------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                    | 2                          |                |
| OBX-2    | Value Type                      | CE                         |                |
| OBX-3    | Observation Identifier          |                            |                |
| OBX-3.1  | Identifier                      | 59779-9                    |                |
| OBX-3.2  | Text                            | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System           | LN                         |                |
| OBX-4    | Observation Sub-ID              | 1                          |                |
| OBX-5    | Observation Value               |                            |                |
| OBX-5.1  | Identifier                      | VXC16                      |                |
| OBX-5.2  | Text                            | ACIP                       |                |
| OBX-5.3  | Name of Coding System           | CDCPHINVS                  |                |
| 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<br>Observation |                            |                |
| OBX-14.1 | Time                            | 20221031                   |                |

IZ\_HISTORY\_FORECAST[5].OBSERVATION[3].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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                         |                       |                |

IZ\_HISTORY\_FORECAST[5].OBSERVATION[4].OBX[1]

| Location | Data Element                    | Data                 | Categorization |
|----------|---------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                    | 4                    |                |
| OBX-2    | Value Type                      | DT                   |                |
| OBX-3    | Observation Identifier          |                      |                |
| OBX-3.1  | Identifier                      | 30980-7              |                |
| OBX-3.2  | Text                            | Date vaccination due |                |
| OBX-3.3  | Name of Coding System           | LN                   |                |
| OBX-4    | Observation Sub-ID              | 1                    |                |
| OBX-5    | Observation Value               | 20221130             |                |
| 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<br>Observation |                      |                |
| OBX-14.1 | Time                            |                      |                |

# IZ\_HISTORY\_FORECAST[5].OBSERVATION[5].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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                         |                      |                |

#### IZ\_HISTORY\_FORECAST[5].OBSERVATION[6].OBX[1]

| Location | Data Element                    | Data                  | Categorization |
|----------|---------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                    | 6                     |                |
| OBX-2    | Value Type                      | NM                    |                |
| OBX-3    | Observation Identifier          |                       |                |
| OBX-3.1  | Identifier                      | 30973-2               |                |
| OBX-3.2  | Text                            | dose number in series |                |
| OBX-3.3  | Name of Coding System           | LN                    |                |
| OBX-4    | Observation Sub-ID              | 1                     |                |
| OBX-5    | Observation Value               | 1                     |                |
| OBX-6    | Units                           |                       |                |
| OBX-6.1  | Identifier                      | NA                    |                |
| OBX-6.2  | Text                            |                       |                |
| OBX-6.3  | Name of Coding System           | HL70353               |                |
| OBX-11   | Observation Result Status       | F                     |                |
| OBX-14   | Date/Time of the<br>Observation |                       |                |
| OBX-14.1 | Time                            | 20221031              |                |

IZ\_HISTORY\_FORECAST[6].ORC[1]

| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

IZ\_HISTORY\_FORECAST[6].RXA[1]

| Location   | Data Element  | Data             | Categorization |
|------------|---|------------------|----------------|
| RXA-1      | Give Sub-ID Counter                                   | 0                |                |
| RXA-2      | Administration Sub-ID<br>Counter                      | 1                |                |
| RXA-3      | Date/Time Start of<br>Administration                  |                  |                |
| RXA-3.1    | Time  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |                |
| RXA-17.1   | Identifier  |                  |                |
| RXA-17.2   | Text  |                  |                |
| RXA-17.3   | Name of Coding System                                 |                  |                |

| RXA-18   | Substance/Treatment<br>Refusal Reason |    |  |
|----------|---------------------------------------|----|--|
| RXA-18.1 | Identifier                            |    |  |
| RXA-18.2 | Text                                  |    |  |
| RXA-18.3 | Name of Coding System                 |    |  |
| RXA-20   | Completion Status                     | NA |  |

IZ\_HISTORY\_FORECAST[6].OBSERVATION[1].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                   | 30956-7   |                |  |
| OBX-3.2  | Text                         | vaccine type                                    |                |  |
| OBX-3.3  | Name of Coding System        | LN  |                |  |
| OBX-4    | Observation Sub-ID           | 1   |                |  |
| OBX-5    | Observation Value            |   |                |  |
| OBX-5.1  | Identifier                   | 152   |                |  |
| OBX-5.2  | Text                         | Pneumococcal Conjugate, unspecified formulation |                |  |
| 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                         |   |                |  |

### IZ\_HISTORY\_FORECAST[6].OBSERVATION[2].OBX[1]

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

### IZ\_HISTORY\_FORECAST[6].OBSERVATION[3].OBX[1]

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| OBX-1    | Set ID - OBX | 3    |                |
| OBX-2    | Value Type   | DT   |                |

| OBX-3    | Observation Identifier       |                       |
|----------|------------------------------|-----------------------|
| OBX-3.1  | Identifier                   | 30981-5               |
| OBX-3.2  | Text                         | Earliest date to give |
| OBX-3.3  | Name of Coding System        | LN                    |
| OBX-4    | Observation Sub-ID           | 1                     |
| OBX-5    | Observation Value            | 20221130              |
| 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                         |                       |

# IZ\_HISTORY\_FORECAST[6].OBSERVATION[4].OBX[1]

| T (*     | D ( El )                  | D (                  |                |
|----------|---------------------------|----------------------|----------------|
| Location | Data Element              | Data                 | Categorization |
| OBX-1    | Set ID - OBX              | 4                    |                |
| OBX-2    | Value Type                | DT                   |                |
| OBX-3    | Observation Identifier    |                      |                |
| OBX-3.1  | Identifier                | 30980-7              |                |
| OBX-3.2  | Text                      | Date vaccination due |                |
| OBX-3.3  | Name of Coding System     | LN                   |                |
| OBX-4    | Observation Sub-ID        | 1                    |                |
| OBX-5    | Observation Value         | 20221130             |                |
| 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          |                      |                |
| ODA II   | Observation               |                      |                |
| OBX-14.1 | Time                      |                      |                |

### IZ\_HISTORY\_FORECAST[6].OBSERVATION[5].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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                         |                      |                |

# IZ\_HISTORY\_FORECAST[6].OBSERVATION[6].OBX[1]

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
|          |              |      |                |

| OBX-1    | Set ID - OBX                    | 6                     |
|----------|---------------------------------|-----------------------|
| OBX-2    | Value Type                      | NM                    |
| OBX-3    | Observation Identifier          |                       |
| OBX-3.1  | Identifier                      | 30973-2               |
| OBX-3.2  | Text                            | dose number in series |
| OBX-3.3  | Name of Coding System           | LN                    |
| OBX-4    | Observation Sub-ID              | 1                     |
| OBX-5    | Observation Value               | 1                     |
| OBX-6    | Units                           |                       |
| OBX-6.1  | Identifier                      | NA                    |
| OBX-6.2  | Text                            |                       |
| OBX-6.3  | Name of Coding System           | HL70353               |
| OBX-11   | Observation Result Status       | F                     |
| OBX-14   | Date/Time of the<br>Observation |                       |
| OBX-14.1 | Time                            | 20221031              |

IZ\_HISTORY\_FORECAST[7].ORC[1]

| IB_INSTORT_I SKEENST() NOTCE[1] |                       |          |                |
|---------------------------------|-----------------------|----------|----------------|
| 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     | 9999     |                |
| ORC-3.2                         | Namespace ID          | DCS      |                |
| ORC-3.3                         | Universal ID          |          |                |
| ORC-3.4                         | Universal ID Type     |          |                |
| ORC-17                          | Entering Organization |          |                |
| ORC-17.1                        | Identifier            | STIIS    |                |
| ORC-17.2                        | Text                  | StateIIS |                |
| ORC-17.3                        | Name of Coding System | HL70362  |                |

IZ\_HISTORY\_FORECAST[7].RXA[1]

| 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                              | 20221031         |                |
| RXA-5    | Administered Code                 |                  |                |
| RXA-5.1  | Identifier                        | 998              |                |
| RXA-5.2  | Text                              | no vaccine admin |                |
| RXA-5.3  | Name of Coding System             | CVX              |                |
| RXA-6    | Administered Amount               | 999              |                |
| RXA-7    | Administered Units                |                  |                |
| RXA-7.1  | Identifier                        |                  |                |
| RXA-7.2  | Text                              |                  |                |
| RXA-7.3  | Name of Coding System             |                  |                |
| RXA-9    | Administration Notes              |                  |                |
| RXA-9.1  | Identifier                        |                  |                |
| RXA-9.2  | Text                              |                  |                |
| RXA-9.3  | Name of Coding System             |                  |                |

| RXA-10     | Administering Provider                                |    |
|------------|---|----|
| RXA-10.1   | ID Number   |    |
| RXA-10.2   | Family Name   |    |
| RXA-10.2.1 | Surname   |    |
| RXA-10.3   | Given Name  |    |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |    |
| RXA-10.9   | Assigning Authority                                   |    |
| RXA-10.10  | Name Type Code  |    |
| RXA-10.13  | Identifier Type Code                                  |    |
| RXA-11     | Administered-at Location                              |    |
| RXA-11.4   | Facility  |    |
| RXA-17     | Substance Manufacturer<br>Name                        |    |
| RXA-17.1   | Identifier  |    |
| RXA-17.2   | Text  |    |
| RXA-17.3   | Name of Coding System                                 |    |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |    |
| RXA-18.1   | Identifier  |    |
| RXA-18.2   | Text  |    |
| RXA-18.3   | Name of Coding System                                 |    |
| RXA-20     | Completion Status                                     | NA |

IZ\_HISTORY\_FORECAST[7].OBSERVATION[1].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                      | 30956-7                            |                |
| OBX-3.2  | Text                            | vaccine type                       |                |
| OBX-3.3  | Name of Coding System           | LN                                 |                |
| OBX-4    | Observation Sub-ID              | 1                                  |                |
| OBX-5    | Observation Value               |                                    |                |
| OBX-5.1  | Identifier                      | 122                                |                |
| OBX-5.2  | Text                            | rotavirus, unspecified formulation |                |
| 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<br>Observation |                                    |                |
| OBX-14.1 | Time                            |                                    |                |

#### IZ\_HISTORY\_FORECAST[7].OBSERVATION[2].OBX[1]

| Location | Data Element           | Data                       | Categorization |
|----------|------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX           | 2                          |                |
| OBX-2    | Value Type             | CE                         |                |
| OBX-3    | Observation Identifier |                            |                |
| OBX-3.1  | Identifier             | 59779-9                    |                |
| OBX-3.2  | Text                   | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System  | LN                         |                |
| OBX-4    | Observation Sub-ID     | 1                          |                |
| OBX-5    | Observation Value      |                            |                |

| OBX-5.1  | Identifier                      | VXC16     |  |
|----------|---------------------------------|-----------|--|
| OBX-5.2  | Text                            | ACIP      |  |
| OBX-5.3  | Name of Coding System           | CDCPHINVS |  |
| 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<br>Observation |           |  |
| OBX-14.1 | Time                            | 20221031  |  |

IZ\_HISTORY\_FORECAST[7].OBSERVATION[3].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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                         |                       |                |

IZ\_HISTORY\_FORECAST[7].OBSERVATION[4].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221130             |                |
| 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                         |                      |                |

IZ\_HISTORY\_FORECAST[7].OBSERVATION[5].OBX[1]

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| OBX-1    | Set ID - OBX | 5    |                |
| OBX-2    | Value Type   | DT   |                |

| OBX-3    | Observation Identifier          |                      |
|----------|---------------------------------|----------------------|
| OBX-3.1  | Identifier                      | 59778-1              |
| OBX-3.2  | Text                            | Date dose is overdue |
| OBX-3.3  | Name of Coding System           | LN                   |
| OBX-4    | Observation Sub-ID              | 1                    |
| OBX-5    | Observation Value               | 20230101             |
| 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<br>Observation |                      |
| OBX-14.1 | Time                            |                      |

# IZ\_HISTORY\_FORECAST[7].OBSERVATION[6].OBX[1]

| Location | Data Element                    | Data                  | Categorization |
|----------|---------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                    | 6                     |                |
| OBX-2    | Value Type                      | NM                    |                |
| OBX-3    | Observation Identifier          |                       |                |
| OBX-3.1  | Identifier                      | 30973-2               |                |
| OBX-3.2  | Text                            | dose number in series |                |
| OBX-3.3  | Name of Coding System           | LN                    |                |
| OBX-4    | Observation Sub-ID              | 1                     |                |
| OBX-5    | Observation Value               | 1                     |                |
| OBX-6    | Units                           |                       |                |
| OBX-6.1  | Identifier                      | NA                    |                |
| OBX-6.2  | Text                            |                       |                |
| OBX-6.3  | Name of Coding System           | HL70353               |                |
| OBX-11   | Observation Result Status       | F                     |                |
| OBX-14   | Date/Time of the<br>Observation |                       |                |
| OBX-14.1 | Time                            | 20221031              |                |

### IZ\_HISTORY\_FORECAST[8].ORC[1]

|          | D . El                | <b>I</b> |                |
|----------|-----------------------|----------|----------------|
| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

# IZ\_HISTORY\_FORECAST[8].RXA[1]

| Location Data Element Data Categorization |  |
|---|--|
|---|--|

| RXA-1      | Give Sub-ID Counter                                   | 0                |
|------------|---|------------------|
| RXA-2      | Administration Sub-ID<br>Counter                      | 1                |
| RXA-3      | Date/Time Start of<br>Administration                  |                  |
| RXA-3.1    | Time  | 20221031         |
| RXA-5      | Administered Code                                     |                  |
| RXA-5.1    | Identifier  | 998              |
| RXA-5.2    | Text  | no vaccine admin |
| RXA-5.3    | Name of Coding System                                 | CVX              |
| RXA-6      | Administered Amount                                   | 999              |
| RXA-7      | Administered Units                                    |                  |
| RXA-7.1    | Identifier  |                  |
| RXA-7.2    | Text  |                  |
| RXA-7.3    | Name of Coding System                                 |                  |
| RXA-9      | Administration Notes                                  |                  |
| RXA-9.1    | Identifier  |                  |
| RXA-9.2    | Text  |                  |
| RXA-9.3    | Name of Coding System                                 |                  |
| RXA-10     | Administering Provider                                |                  |
| RXA-10.1   | ID Number   |                  |
| RXA-10.2   | Family Name   |                  |
| RXA-10.2.1 | Surname   |                  |
| RXA-10.3   | Given Name  |                  |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |
| RXA-10.9   | Assigning Authority                                   |                  |
| RXA-10.10  | Name Type Code  |                  |
| RXA-10.13  | Identifier Type Code                                  |                  |
| RXA-11     | Administered-at Location                              |                  |
| RXA-11.4   | Facility  |                  |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |
| RXA-17.1   | Identifier  |                  |
| RXA-17.2   | Text  |                  |
| RXA-17.3   | Name of Coding System                                 |                  |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |
| RXA-18.1   | Identifier  |                  |
| RXA-18.2   | Text  |                  |
| RXA-18.3   | Name of Coding System                                 |                  |
| RXA-20     | Completion Status                                     | NA               |

### IZ\_HISTORY\_FORECAST[8].OBSERVATION[1].OBX[1]

| IE_INSTORT_LONGSISSISSISSISSISSISSISSISSISSISSISSISSIS |                        |                                    |                |
|--|------------------------|------------------------------------|----------------|
| Location   | Data Element           | Data                               | Categorization |
| OBX-1  | Set ID - OBX           | 1                                  |                |
| 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     | 1                                  |                |
| OBX-5  | Observation Value      |                                    |                |
| OBX-5.1  | Identifier             | 88                                 |                |
| OBX-5.2  | Text                   | influenza, unspecified formulation |                |

| 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                         |     |

### IZ\_HISTORY\_FORECAST[8].OBSERVATION[2].OBX[1]

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
|          |                              |                            | Categorization |
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

#### IZ HISTORY FORECAST[8].OBSERVATION[3].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20230901              |                |
| 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                         |                       |                |

### IZ\_HISTORY\_FORECAST[8].OBSERVATION[4].OBX[1]

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| OBX-1    | Set ID - OBX | 4    |                |
| OBX-2    | Value Type   | DT   |                |

| OBX-3    | Observation Identifier          |                      |  |
|----------|---------------------------------|----------------------|--|
| OBX-3.1  | Identifier                      | 30980-7              |  |
| OBX-3.2  | Text                            | Date vaccination due |  |
| OBX-3.3  | Name of Coding System           | LN                   |  |
| OBX-4    | Observation Sub-ID              | 1                    |  |
| OBX-5    | Observation Value               | 20230901             |  |
| 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<br>Observation |                      |  |
| OBX-14.1 | Time                            |                      |  |

# IZ\_HISTORY\_FORECAST[8].OBSERVATION[5].OBX[1]

| T        | D. ( El )                 | Date                 | Catalan di ation |
|----------|---------------------------|----------------------|------------------|
| Location | Data Element              | Data                 | Categorization   |
| OBX-1    | Set ID - OBX              | 5                    |                  |
| OBX-2    | Value Type                | DT                   |                  |
| OBX-3    | Observation Identifier    |                      |                  |
| OBX-3.1  | Identifier                | 59778-1              |                  |
| OBX-3.2  | Text                      | Date dose is overdue |                  |
| OBX-3.3  | Name of Coding System     | LN                   |                  |
| OBX-4    | Observation Sub-ID        | 1                    |                  |
| OBX-5    | Observation Value         | 20240101             |                  |
| 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          |                      |                  |
| ODA-14   | Observation               |                      |                  |
| OBX-14.1 | Time                      |                      |                  |

### IZ\_HISTORY\_FORECAST[8].OBSERVATION[6].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

### IZ\_HISTORY\_FORECAST[9].ORC[1]

| <b>Location</b> 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     | 9999     |
| ORC-3.2  | Namespace ID          | DCS      |
| ORC-3.3  | Universal ID          |          |
| ORC-3.4  | Universal ID Type     |          |
| ORC-17   | Entering Organization |          |
| ORC-17.1 | Identifier            | STIIS    |
| ORC-17.2 | Text                  | StateIIS |
| ORC-17.3 | Name of Coding System | HL70362  |

IZ\_HISTORY\_FORECAST[9].RXA[1]

| Location   | Data Element  | Data             | Categorization |
|------------|---|------------------|----------------|
| RXA-1      | Give Sub-ID Counter                                   | 0                |                |
| RXA-2      | Administration Sub-ID<br>Counter                      | 1                |                |
| RXA-3      | Date/Time Start of Administration                     |                  |                |
| RXA-3.1    | Time  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |                |
| RXA-17.1   | Identifier  |                  |                |
| RXA-17.2   | Text  |                  |                |
| RXA-17.3   | Name of Coding System                                 |                  |                |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |                |

| RXA-18.1 | Identifier            |    |  |
|----------|-----------------------|----|--|
| RXA-18.2 | Text                  |    |  |
| RXA-18.3 | Name of Coding System |    |  |
| RXA-20   | Completion Status     | NA |  |

# IZ\_HISTORY\_FORECAST[9].OBSERVATION[1].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                      | 30956-7                        |                |
| OBX-3.2  | Text                            | vaccine type                   |                |
| OBX-3.3  | Name of Coding System           | LN                             |                |
| OBX-4    | Observation Sub-ID              | 1                              |                |
| OBX-5    | Observation Value               |                                |                |
| OBX-5.1  | Identifier                      | 85                             |                |
| OBX-5.2  | Text                            | Hep A, unspecified formulation |                |
| 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<br>Observation |                                |                |
| OBX-14.1 | Time                            |                                |                |

# IZ\_HISTORY\_FORECAST[9].OBSERVATION[2].OBX[1]

| Location | Data Element                    | Data                       | Categorization |
|----------|---------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                    | 2                          |                |
| OBX-2    | Value Type                      | CE                         |                |
| OBX-3    | Observation Identifier          |                            |                |
| OBX-3.1  | Identifier                      | 59779-9                    |                |
| OBX-3.2  | Text                            | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System           | LN                         |                |
| OBX-4    | Observation Sub-ID              | 1                          |                |
| OBX-5    | Observation Value               |                            |                |
| OBX-5.1  | Identifier                      | VXC16                      |                |
| OBX-5.2  | Text                            | ACIP                       |                |
| OBX-5.3  | Name of Coding System           | CDCPHINVS                  |                |
| 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<br>Observation |                            |                |
| OBX-14.1 | Time                            | 20221031                   |                |

# IZ\_HISTORY\_FORECAST[9].OBSERVATION[3].OBX[1]

| Location | Data Element           | Data | Categorization |
|----------|------------------------|------|----------------|
| OBX-1    | Set ID - OBX           | 3    |                |
| OBX-2    | Value Type             | DT   |                |
| OBX-3    | Observation Identifier |      |                |

| OBX-3.1  | Identifier                      | 30981-5               |
|----------|---------------------------------|-----------------------|
| OBX-3.2  | Text                            | Earliest date to give |
| OBX-3.3  | Name of Coding System           | LN                    |
| OBX-4    | Observation Sub-ID              | 1                     |
| OBX-5    | Observation Value               | 20231001              |
| 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<br>Observation |                       |
| OBX-14.1 | Time                            |                       |

# IZ\_HISTORY\_FORECAST[9].OBSERVATION[4].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20231001             |                |
| 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                         |                      |                |

# IZ\_HISTORY\_FORECAST[9].OBSERVATION[5].OBX[1]

| Location | Data Element                    | Data                 | Categorization |
|----------|---------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                    | 5                    |                |
| OBX-2    | Value Type                      | DT                   |                |
| OBX-3    | Observation Identifier          |                      |                |
| OBX-3.1  | Identifier                      | 59778-1              |                |
| OBX-3.2  | Text                            | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System           | LN                   |                |
| OBX-4    | Observation Sub-ID              | 1                    |                |
| OBX-5    | Observation Value               | 20240101             |                |
| 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<br>Observation |                      |                |
| OBX-14.1 | Time                            |                      |                |

# IZ\_HISTORY\_FORECAST[9].OBSERVATION[6].OBX[1]

|  |  | Location | Data Element | Data | Categorization |
|--|--|----------|--------------|------|----------------|
|--|--|----------|--------------|------|----------------|

| OBX-1    | Set ID - OBX                    | 6                     |  |
|----------|---------------------------------|-----------------------|--|
| OBX-2    | Value Type                      | NM                    |  |
| OBX-3    | Observation Identifier          |                       |  |
| OBX-3.1  | Identifier                      | 30973-2               |  |
| OBX-3.2  | Text                            | dose number in series |  |
| OBX-3.3  | Name of Coding System           | LN                    |  |
| OBX-4    | Observation Sub-ID              | 1                     |  |
| OBX-5    | Observation Value               | 1                     |  |
| OBX-6    | Units                           |                       |  |
| OBX-6.1  | Identifier                      | NA                    |  |
| OBX-6.2  | Text                            |                       |  |
| OBX-6.3  | Name of Coding System           | HL70353               |  |
| OBX-11   | Observation Result Status       | F                     |  |
| OBX-14   | Date/Time of the<br>Observation |                       |  |
| OBX-14.1 | Time                            | 20221031              |  |

#### IZ\_HISTORY\_FORECAST[10].ORC[1]

| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

# IZ\_HISTORY\_FORECAST[10].RXA[1]

| 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                              | 20221031         |                |
| RXA-5    | Administered Code                 |                  |                |
| RXA-5.1  | Identifier                        | 998              |                |
| RXA-5.2  | Text                              | no vaccine admin |                |
| RXA-5.3  | Name of Coding System             | CVX              |                |
| RXA-6    | Administered Amount               | 999              |                |
| RXA-7    | Administered Units                |                  |                |
| RXA-7.1  | Identifier                        |                  |                |
| RXA-7.2  | Text                              |                  |                |
| RXA-7.3  | Name of Coding System             |                  |                |
| RXA-9    | Administration Notes              |                  |                |
| RXA-9.1  | Identifier                        |                  |                |
| RXA-9.2  | Text                              |                  |                |

| RXA-9.3    | Name of Coding System                                 |    |
|------------|---|----|
| RXA-10     | Administering Provider                                |    |
| RXA-10.1   | ID Number   |    |
| RXA-10.2   | Family Name   |    |
| RXA-10.2.1 | Surname   |    |
| RXA-10.3   | Given Name  |    |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |    |
| RXA-10.9   | Assigning Authority                                   |    |
| RXA-10.10  | Name Type Code  |    |
| RXA-10.13  | Identifier Type Code                                  |    |
| RXA-11     | Administered-at Location                              |    |
| RXA-11.4   | Facility  |    |
| RXA-17     | Substance Manufacturer<br>Name                        |    |
| RXA-17.1   | Identifier  |    |
| RXA-17.2   | Text  |    |
| RXA-17.3   | Name of Coding System                                 |    |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |    |
| RXA-18.1   | Identifier  |    |
| RXA-18.2   | Text  |    |
| RXA-18.3   | Name of Coding System                                 |    |
| RXA-20     | Completion Status                                     | NA |

# IZ\_HISTORY\_FORECAST[10].OBSERVATION[1].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                   | 30956-7      |                |
| OBX-3.2  | Text                         | vaccine type |                |
| OBX-3.3  | Name of Coding System        | LN           |                |
| OBX-4    | Observation Sub-ID           | 1            |                |
| OBX-5    | Observation Value            |              |                |
| OBX-5.1  | Identifier                   | 03           |                |
| OBX-5.2  | Text                         | MMR          |                |
| 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                         |              |                |

# IZ\_HISTORY\_FORECAST[10].OBSERVATION[2].OBX[1]

| Location | Data Element           | Data                       | Categorization |
|----------|------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX           | 2                          |                |
| OBX-2    | Value Type             | CE                         |                |
| OBX-3    | Observation Identifier |                            |                |
| OBX-3.1  | Identifier             | 59779-9                    |                |
| OBX-3.2  | Text                   | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System  | LN                         |                |
| OBX-4    | Observation Sub-ID     | 1                          |                |

| OBX-5    | Observation Value               |           |  |
|----------|---------------------------------|-----------|--|
| OBX-5.1  | Identifier                      | VXC16     |  |
| OBX-5.2  | Text                            | ACIP      |  |
| OBX-5.3  | Name of Coding System           | CDCPHINVS |  |
| 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<br>Observation |           |  |
| OBX-14.1 | Time                            | 20221031  |  |

IZ\_HISTORY\_FORECAST[10].OBSERVATION[3].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20231001              |                |
| 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                         |                       |                |

IZ HISTORY FORECAST[10].OBSERVATION[4].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20231001             |                |
| 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                         |                      |                |

### IZ\_HISTORY\_FORECAST[10].OBSERVATION[5].OBX[1]

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| OBX-1    | Set ID - OBX | 5    |                |
| OBX-2    | Value Type   | DT   |                |

| OBX-3    | Observation Identifier       |                      |
|----------|------------------------------|----------------------|
| OBX-3.1  | Identifier                   | 59778-1              |
| OBX-3.2  | Text                         | Date dose is overdue |
| OBX-3.3  | Name of Coding System        | LN                   |
| OBX-4    | Observation Sub-ID           | 1                    |
| OBX-5    | Observation Value            | 20240401             |
| 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                         |                      |

# IZ\_HISTORY\_FORECAST[10].OBSERVATION[6].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

#### IZ\_HISTORY\_FORECAST[11].ORC[1]

| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

# IZ\_HISTORY\_FORECAST[11].RXA[1]

| Location Data Element Data Categorization | Location | Data Element | Data | Categorization |
|---|----------|--------------|------|----------------|
|---|----------|--------------|------|----------------|

| RXA-1      | Give Sub-ID Counter                                   | 0                |  |
|------------|---|------------------|--|
| RXA-2      | Administration Sub-ID<br>Counter                      | 1                |  |
| RXA-3      | Date/Time Start of<br>Administration                  |                  |  |
| RXA-3.1    | Time  | 20221031         |  |
| RXA-5      | Administered Code                                     |                  |  |
| RXA-5.1    | Identifier  | 998              |  |
| RXA-5.2    | Text  | no vaccine admin |  |
| RXA-5.3    | Name of Coding System                                 | CVX              |  |
| RXA-6      | Administered Amount                                   | 999              |  |
| RXA-7      | Administered Units                                    |                  |  |
| RXA-7.1    | Identifier  |                  |  |
| RXA-7.2    | Text  |                  |  |
| RXA-7.3    | Name of Coding System                                 |                  |  |
| RXA-9      | Administration Notes                                  |                  |  |
| RXA-9.1    | Identifier  |                  |  |
| RXA-9.2    | Text  |                  |  |
| RXA-9.3    | Name of Coding System                                 |                  |  |
| RXA-10     | Administering Provider                                |                  |  |
| RXA-10.1   | ID Number   |                  |  |
| RXA-10.2   | Family Name   |                  |  |
| RXA-10.2.1 | Surname   |                  |  |
| RXA-10.3   | Given Name  |                  |  |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |  |
| RXA-10.9   | Assigning Authority                                   |                  |  |
| RXA-10.10  | Name Type Code  |                  |  |
| RXA-10.13  | Identifier Type Code                                  |                  |  |
| RXA-11     | Administered-at Location                              |                  |  |
| RXA-11.4   | Facility  |                  |  |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |  |
| RXA-17.1   | Identifier  |                  |  |
| RXA-17.2   | Text  |                  |  |
| RXA-17.3   | Name of Coding System                                 |                  |  |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |  |
| RXA-18.1   | Identifier  |                  |  |
| RXA-18.2   | Text  |                  |  |
| RXA-18.3   | Name of Coding System                                 |                  |  |
| RXA-20     | Completion Status                                     | NA               |  |

## IZ\_HISTORY\_FORECAST[11].OBSERVATION[1].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             | 30956-7      |                |
| OBX-3.2  | Text                   | vaccine type |                |
| OBX-3.3  | Name of Coding System  | LN           |                |
| OBX-4    | Observation Sub-ID     | 1            |                |
| OBX-5    | Observation Value      |              |                |
| OBX-5.1  | Identifier             | 21           |                |
| OBX-5.2  | Text                   | Varicella    |                |
| 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                         |   |

# IZ\_HISTORY\_FORECAST[11].OBSERVATION[2].OBX[1]

| E_motoki_rokbe.sot[it]iobohkviito.y[s]iobiki_i |                                 |                            |                |
|--|---------------------------------|----------------------------|----------------|
| Location                                       | Data Element                    | Data                       | Categorization |
| OBX-1  | Set ID - OBX                    | 2                          |                |
| OBX-2  | Value Type                      | CE                         |                |
| OBX-3  | Observation Identifier          |                            |                |
| OBX-3.1  | Identifier                      | 59779-9                    |                |
| OBX-3.2  | Text                            | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System           | LN                         |                |
| OBX-4  | Observation Sub-ID              | 1                          |                |
| OBX-5  | Observation Value               |                            |                |
| OBX-5.1  | Identifier                      | VXC16                      |                |
| OBX-5.2  | Text                            | ACIP                       |                |
| OBX-5.3  | Name of Coding System           | CDCPHINVS                  |                |
| 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<br>Observation |                            |                |
| OBX-14.1                                       | Time                            | 20221031                   |                |

## IZ\_HISTORY\_FORECAST[11].OBSERVATION[3].OBX[1]

| Location | Data Element                    | Data                  | Categorization |
|----------|---------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                    | 3                     |                |
| OBX-2    | Value Type                      | DT                    |                |
| OBX-3    | Observation Identifier          |                       |                |
| OBX-3.1  | Identifier                      | 30981-5               |                |
| OBX-3.2  | Text                            | Earliest date to give |                |
| OBX-3.3  | Name of Coding System           | LN                    |                |
| OBX-4    | Observation Sub-ID              | 1                     |                |
| OBX-5    | Observation Value               | 20231001              |                |
| 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<br>Observation |                       |                |
| OBX-14.1 | Time                            |                       |                |

## IZ\_HISTORY\_FORECAST[11].OBSERVATION[4].OBX[1]

| Location | Data Element           | Data | Categorization |
|----------|------------------------|------|----------------|
| OBX-1    | Set ID - OBX           | 4    |                |
| OBX-2    | Value Type             | DT   |                |
| OBX-3    | Observation Identifier |      |                |

| OBX-3.1  | Identifier                      | 30980-7              |  |
|----------|---------------------------------|----------------------|--|
| OBX-3.2  | Text                            | Date vaccination due |  |
| OBX-3.3  | Name of Coding System           | LN                   |  |
| OBX-4    | Observation Sub-ID              | 1                    |  |
| OBX-5    | Observation Value               | 20231001             |  |
| 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<br>Observation |                      |  |
| OBX-14.1 | Time                            |                      |  |

## IZ\_HISTORY\_FORECAST[11].OBSERVATION[5].OBX[1]

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20240401             |                |
| 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                         |                      |                |

## IZ\_HISTORY\_FORECAST[11].OBSERVATION[6].OBX[1]

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

| Location | Data Element    | Data | Categorization |
|----------|-----------------|------|----------------|
| MSH-1    | Field Separator |      |                |

| MSH-2     | Encoding Characters                 | ^~\&                                    |  |
|-----------|-------------------------------------|---|--|
| MSH-3     | Sending Application                 |   |  |
| MSH-3.1   | Namespace ID                        | MYIIS                                   |  |
| MSH-3.2   | Universal ID                        |   |  |
| MSH-3.3   | Universal ID Type                   |   |  |
| MSH-4     | Sending Facility                    |   |  |
| MSH-4.1   | Namespace ID                        | MyStateIIS                              |  |
| MSH-4.2   | Universal ID                        |   |  |
| MSH-4.3   | Universal ID Type                   |   |  |
| MSH-5     | Receiving Application               |   |  |
| MSH-5.1   | Namespace ID                        | MYEHR                                   |  |
| MSH-5.2   | Universal ID                        |   |  |
| MSH-5.3   | Universal ID Type                   |   |  |
| MSH-6     | Receiving Facility                  |   |  |
| MSH-6.1   | Namespace ID                        | Myclinic                                |  |
| MSH-6.2   | Universal ID                        |   |  |
| MSH-6.3   | Universal ID Type                   |   |  |
| MSH-7     | Date/Time Of Message                |   |  |
| MSH-7.1   | Time                                | 20221031020020-0500                     |  |
| MSH-9     | Message Type                        |   |  |
| MSH-9.1   | Message Code                        | RSP                                     |  |
| MSH-9.2   | Trigger Event                       | K11                                     |  |
| MSH-9.3   | Message Structure                   | RSP_K11                                 |  |
| MSH-10    | Message Control ID                  | 7731029                                 |  |
| 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          | NE                                      |  |
| MSH-16    | Application Acknowledgment Type     | NE                                      |  |
| MSH-21    | Message Profile Identifier          |   |  |
| MSH-21.1  | Entity Identifier                   | Z42                                     |  |
| MSH-21.2  | Namespace ID                        | CDCPHINVS                               |  |
| MSH-21.3  | Universal ID                        |   |  |
| MSH-21.4  | Universal ID Type                   |   |  |
| MSH-22    | Sending Responsible<br>Organization |   |  |
| MSH-22.1  | Organization Name                   | A_Clinic                                |  |
| MSH-22.6  | Assigning Authority                 |   |  |
| MSH-22.7  | Identifier Type Code                | AN                                      |  |
| MSH-22.10 | Organization Identifier             | A_Clinic1234                            |  |
| MSH-23    | Receiving Responsible Organization  |   |  |
| MSH-23.1  | Organization Name                   |   |  |
| MSH-23.6  | Assigning Authority                 |   |  |
| MSH-23.7  | Identifier Type Code                |   |  |
| MSH-23.10 | Organization Identifier             |   |  |

| Location | Data Element        | Data   | Categorization |
|----------|---------------------|--------|----------------|
| MSA-1    | Acknowledgment Code | AA     |                |
| MSA-2    | Message Control ID  | 793543 |                |

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
|          |              |      |                |

| QAK-1   | Query Tag             | 37374859                               |  |
|---------|-----------------------|--|--|
| QAK-2   | Query Response Status | OK                                     |  |
| QAK-3   | Message Query Name    |  |  |
| QAK-3.1 | Identifier            | Z44                                    |  |
| QAK-3.2 | Text                  | Request Evaluated History and Forecast |  |
| QAK-3.3 | Name of Coding System | CDCPHINVS                              |  |

| Location  | Data Element  | Data                                   | Categorization |
|-----------|---|--|----------------|
| QPD-1     | Message Query Name                                    |  |                |
| QPD-1.1   | Identifier  | Z44                                    |                |
| QPD-1.2   | Text  | Request Evaluated History and Forecast |                |
| QPD-1.3   | Name of Coding System                                 | CDCPHINVS                              |                |
| QPD-2     | Query Tag   | 37374859                               |                |
| QPD-3     | PatientList   |  |                |
| QPD-3.1   | ID Number   | 123456                                 |                |
| QPD-3.4   | Assigning Authority                                   |  |                |
| QPD-3.5   | Identifier Type Code                                  | MR                                     |                |
| QPD-4     | PatientName   |  |                |
| QPD-4.1   | Family Name   |  |                |
| QPD-4.1.1 | Surname   | Gonzales                               |                |
| QPD-4.2   | Given Name  | Juana                                  |                |
| QPD-4.3   | Second and Further Given<br>Names or Initials Thereof | Maria                                  |                |
| QPD-4.7   | Name Type Code  | L                                      |                |
| QPD-5     | PatientMotherMaidenName                               |  |                |
| QPD-5.1   | Family Name   |  |                |
| QPD-5.1.1 | Surname   | Morales                                |                |
| QPD-5.7   | Name Type Code  | M                                      |                |
| QPD-6     | PatientDateOfBirth                                    |  |                |
| QPD-6.1   | Time  | 202210011115                           |                |
| QPD-7     | Patient Sex   | F                                      |                |
| QPD-8     | Patient Address                                       |  |                |
| QPD-8.1   | Street Address  |  |                |
| QPD-8.1.1 | Street or Mailing Address                             | 3321 Standish Way                      |                |
| QPD-8.2   | Other Designation                                     |  |                |
| QPD-8.3   | City  | Stamford                               |                |
| QPD-8.4   | State or Province                                     | CT                                     |                |
| QPD-8.5   | Zip or Postal Code                                    | 06903                                  |                |
| QPD-8.6   | Country   | USA                                    |                |
| QPD-8.7   | Address Type  | L                                      |                |
| QPD-9     | Phone   |  |                |
| QPD-9.2   | Telecommunication Use<br>Code                         | PRN                                    |                |
| QPD-9.3   | Telecommunication<br>Equipment Type                   | СР                                     |                |
| QPD-9.4   | Email Address   |  |                |
| QPD-9.6   | Area/City Code  | 203                                    |                |
| QPD-9.7   | Local Number  | 5551214                                |                |
| QPD-10    | Multiple birth indicator                              | Y                                      |                |
| QPD-11    | Birth order   | 2                                      |                |

| 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].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].5 | Identifier Type Code                                  | SR                |
| PID-5      | Patient Name  |                   |
| PID-5.1    | Family Name   |                   |
| PID-5.1.1  | Surname   | Morales           |
| PID-5.2    | Given Name  | BG2               |
| PID-5.3    | Second and Further Given<br>Names or Initials Thereof |                   |
| PID-5.7    | Name Type Code  | L                 |
| PID-7      | Date/Time of Birth                                    |                   |
| PID-7.1    | Time  | 202210011115      |
| PID-8      | Administrative Sex                                    | F                 |
| PID-11     | Patient Address                                       |                   |
| PID-11.1   | Street Address  |                   |
| PID-11.1.1 | Street or Mailing Address                             | 3321 Standish Way |
| PID-11.2   | Other Designation                                     |                   |
| PID-11.3   | City  | Stamford          |
| PID-11.4   | State or Province                                     | CT                |
| PID-11.5   | Zip or Postal Code                                    | 06903             |
| PID-11.6   | Country   | USA               |
| PID-11.7   | Address Type  | L                 |
| 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     | 1970230                    |                |
| ORC-3.2  | Namespace ID          | SRH                        |                |
| ORC-3.3  | Universal ID          |                            |                |
| ORC-3.4  | Universal ID Type     |                            |                |
| ORC-17   | Entering Organization |                            |                |
| ORC-17.1 | Identifier            | SRH                        |                |
| ORC-17.2 | Text                  | Stamford Regional Hospital |                |
| ORC-17.3 | Name of Coding System | HL70362                    |                |

| 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     | 9999     |  |
| ORC-3.2  | Namespace ID          | DCS      |  |
| ORC-3.3  | Universal ID          |          |  |
| ORC-3.4  | Universal ID Type     |          |  |
| ORC-17   | Entering Organization |          |  |
| ORC-17.1 | Identifier            | STIIS    |  |
| ORC-17.2 | Text                  | StateIIS |  |
| ORC-17.3 | Name of Coding System | HL70362  |  |

| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

#### ORC - 4

| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

| 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     | 9999     |  |
| ORC-3.2  | Namespace ID          | DCS      |  |
| ORC-3.3  | Universal ID          |          |  |
| ORC-3.4  | Universal ID Type     |          |  |
| ORC-17   | Entering Organization |          |  |
| ORC-17.1 | Identifier            | STIIS    |  |
| ORC-17.2 | Text                  | StateIIS |  |
| ORC-17.3 | Name of Coding System | HL70362  |  |

| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

#### ORC - 7

| ORC - /  |                       |          |                |
|----------|-----------------------|----------|----------------|
| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

| 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     | 9999     |  |
| ORC-3.2  | Namespace ID          | DCS      |  |
| ORC-3.3  | Universal ID          |          |  |
| ORC-3.4  | Universal ID Type     |          |  |
| ORC-17   | Entering Organization |          |  |
| ORC-17.1 | Identifier            | STIIS    |  |
| ORC-17.2 | Text                  | StateIIS |  |
| ORC-17.3 | Name of Coding System | HL70362  |  |

| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |

## ORC - 10

| ORC - 10 |                       |          |                |
|----------|-----------------------|----------|----------------|
| 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     | 9999     |                |
| ORC-3.2  | Namespace ID          | DCS      |                |
| ORC-3.3  | Universal ID          |          |                |
| ORC-3.4  | Universal ID Type     |          |                |
| ORC-17   | Entering Organization |          |                |
| ORC-17.1 | Identifier            | STIIS    |                |
| ORC-17.2 | Text                  | StateIIS |                |
| ORC-17.3 | Name of Coding System | HL70362  |                |
|          |                       |          |                |

| 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     | 9999     |
| ORC-3.2  | Namespace ID          | DCS      |
| ORC-3.3  | Universal ID          |          |
| ORC-3.4  | Universal ID Type     |          |
| ORC-17   | Entering Organization |          |
| ORC-17.1 | Identifier            | STIIS    |
| ORC-17.2 | Text                  | StateIIS |
| ORC-17.3 | Name of Coding System | HL70362  |

| 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  | 20221001                          |                |
| RXA-5      | Administered Code                                     |                                   |                |
| RXA-5.1    | Identifier  | 08                                |                |
| RXA-5.2    | Text  | Hepatitis B                       |                |
| RXA-5.3    | Name of Coding System                                 | CVX                               |                |
| 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                                |                |
| RXA-9.2    | Text  |                                   |                |
| RXA-9.3    | Name of Coding System                                 | NIP001                            |                |
| RXA-10     | Administering Provider                                |                                   |                |
| RXA-10.1   | ID Number   |                                   |                |
| RXA-10.2   | Family Name   |                                   |                |
| RXA-10.2.1 | Surname   | Pike                              |                |
| RXA-10.3   | Given Name  | Susan                             |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                                   |                |
| RXA-10.9   | Assigning Authority                                   |                                   |                |
| RXA-10.10  | Name Type Code  |                                   |                |
| RXA-10.13  | Identifier Type Code                                  |                                   |                |
| RXA-11     | Administered-at Location                              |                                   |                |
| RXA-11.4   | Facility  |                                   |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                                   |                |
| RXA-17.1   | Identifier  | SKB                               |                |
| RXA-17.2   | Text  | GlaxoSmithKline<br>Biologicals SA |                |
| RXA-17.3   | Name of Coding System                                 | MVX                               |                |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                                   |                |
| RXA-18.1   | Identifier  |                                   |                |
| RXA-18.2   | Text  |                                   |                |
| RXA-18.3   | Name of Coding System                                 |                                   |                |

| RXA-20 Completion Status | CP |
|--------------------------|----|
|--------------------------|----|

| Location   | Data Element  | Data             | Categorization |
|------------|---|------------------|----------------|
| RXA-1      | Give Sub-ID Counter                                   | 0                |                |
| RXA-2      | Administration Sub-ID<br>Counter                      | 1                |                |
| RXA-3      | Date/Time Start of<br>Administration                  |                  |                |
| RXA-3.1    | Time  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |                |
| RXA-17.1   | Identifier  |                  |                |
| RXA-17.2   | Text  |                  |                |
| RXA-17.3   | Name of Coding System                                 |                  |                |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |                |
| RXA-18.1   | Identifier  |                  |                |
| RXA-18.2   | Text  |                  |                |
| RXA-18.3   | Name of Coding System                                 |                  |                |
| RXA-20     | Completion Status                                     | NA               |                |

|          |                                   | IXAA - 3 |                |
|----------|-----------------------------------|----------|----------------|
| 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                              | 20221031 |                |
| RXA-5    | Administered Code                 |          |                |

| RXA-5.1    | Identifier  | 998              |
|------------|---|------------------|
| RXA-5.2    | Text  | no vaccine admin |
| RXA-5.3    | Name of Coding System                                 | CVX              |
| RXA-6      | Administered Amount                                   | 999              |
| RXA-7      | Administered Units                                    |                  |
| RXA-7.1    | Identifier  |                  |
| RXA-7.2    | Text  |                  |
| RXA-7.3    | Name of Coding System                                 |                  |
| RXA-9      | Administration Notes                                  |                  |
| RXA-9.1    | Identifier  |                  |
| RXA-9.2    | Text  |                  |
| RXA-9.3    | Name of Coding System                                 |                  |
| RXA-10     | Administering Provider                                |                  |
| RXA-10.1   | ID Number   |                  |
| RXA-10.2   | Family Name   |                  |
| RXA-10.2.1 | Surname   |                  |
| RXA-10.3   | Given Name  |                  |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |
| RXA-10.9   | Assigning Authority                                   |                  |
| RXA-10.10  | Name Type Code  |                  |
| RXA-10.13  | Identifier Type Code                                  |                  |
| RXA-11     | Administered-at Location                              |                  |
| RXA-11.4   | Facility  |                  |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |
| RXA-17.1   | Identifier  |                  |
| RXA-17.2   | Text  |                  |
| RXA-17.3   | Name of Coding System                                 |                  |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |
| RXA-18.1   | Identifier  |                  |
| RXA-18.2   | Text  |                  |
| RXA-18.3   | Name of Coding System                                 |                  |
| RXA-20     | Completion Status                                     | NA               |

| 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                              | 20221031         |                |
| RXA-5    | Administered Code                 |                  |                |
| RXA-5.1  | Identifier                        | 998              |                |
| RXA-5.2  | Text                              | no vaccine admin |                |
| RXA-5.3  | Name of Coding System             | CVX              |                |
| RXA-6    | Administered Amount               | 999              |                |
| RXA-7    | Administered Units                |                  |                |
| RXA-7.1  | Identifier                        |                  |                |
| RXA-7.2  | Text                              |                  |                |
| RXA-7.3  | Name of Coding System             |                  |                |
| RXA-9    | Administration Notes              |                  |                |
| RXA-9.1  | Identifier                        |                  |                |
| RXA-9.2  | Text                              |                  |                |
| RXA-9.3  | Name of Coding System             |                  |                |

| RXA-10     | Administering Provider                                |    |
|------------|---|----|
| RXA-10.1   | ID Number   |    |
| RXA-10.2   | Family Name   |    |
| RXA-10.2.1 | Surname   |    |
| RXA-10.3   | Given Name  |    |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |    |
| RXA-10.9   | Assigning Authority                                   |    |
| RXA-10.10  | Name Type Code  |    |
| RXA-10.13  | Identifier Type Code                                  |    |
| RXA-11     | Administered-at Location                              |    |
| RXA-11.4   | Facility  |    |
| RXA-17     | Substance Manufacturer<br>Name                        |    |
| RXA-17.1   | Identifier  |    |
| RXA-17.2   | Text  |    |
| RXA-17.3   | Name of Coding System                                 |    |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |    |
| RXA-18.1   | Identifier  |    |
| RXA-18.2   | Text  |    |
| RXA-18.3   | Name of Coding System                                 |    |
| RXA-20     | Completion Status                                     | NA |

| 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  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |

| RXA-17   | Substance Manufacturer<br>Name        |    |
|----------|---------------------------------------|----|
| RXA-17.1 | Identifier                            |    |
| RXA-17.2 | Text                                  |    |
| RXA-17.3 | Name of Coding System                 |    |
| RXA-18   | Substance/Treatment<br>Refusal Reason |    |
| RXA-18.1 | Identifier                            |    |
| RXA-18.2 | Text                                  |    |
| RXA-18.3 | Name of Coding System                 |    |
| RXA-20   | Completion Status                     | NA |

| 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  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |                |
| RXA-17.1   | Identifier  |                  |                |
| RXA-17.2   | Text  |                  |                |
| RXA-17.3   | Name of Coding System                                 |                  |                |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |                |
| RXA-18.1   | Identifier  |                  |                |
| RXA-18.2   | Text  |                  |                |
| RXA-18.3   | Name of Coding System                                 |                  |                |
| RXA-20     | Completion Status                                     | NA               |                |

| Location   | Data Element  | Data             | Categorization |
|------------|---|------------------|----------------|
| RXA-1      | Give Sub-ID Counter                                   | 0                |                |
| RXA-2      | Administration Sub-ID<br>Counter                      | 1                |                |
| RXA-3      | Date/Time Start of<br>Administration                  |                  |                |
| RXA-3.1    | Time  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |                |
| RXA-17.1   | Identifier  |                  |                |
| RXA-17.2   | Text  |                  |                |
| RXA-17.3   | Name of Coding System                                 |                  |                |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |                |
| RXA-18.1   | Identifier  |                  |                |
| RXA-18.2   | Text  |                  |                |
| RXA-18.3   | Name of Coding System                                 |                  |                |
| RXA-20     | Completion Status                                     | NA               |                |

| Location | Data Element                      | Data             | Categorization |
|----------|-----------------------------------|------------------|----------------|
| RXA-1    | Give Sub-ID Counter               | 0                |                |
| RXA-2    | Administration Sub-ID<br>Counter  | 1                |                |
| RXA-3    | Date/Time Start of Administration |                  |                |
| RXA-3.1  | Time                              | 20221031         |                |
| RXA-5    | Administered Code                 |                  |                |
| RXA-5.1  | Identifier                        | 998              |                |
| RXA-5.2  | Text                              | no vaccine admin |                |

| RXA-5.3    | Name of Coding System                                 | CVX |
|------------|---|-----|
| RXA-6      | Administered Amount                                   | 999 |
| RXA-7      | Administered Units                                    |     |
| RXA-7.1    | Identifier  |     |
| RXA-7.2    | Text  |     |
| RXA-7.3    | Name of Coding System                                 |     |
| RXA-9      | Administration Notes                                  |     |
| RXA-9.1    | Identifier  |     |
| RXA-9.2    | Text  |     |
| RXA-9.3    | Name of Coding System                                 |     |
| RXA-10     | Administering Provider                                |     |
| RXA-10.1   | ID Number   |     |
| RXA-10.2   | Family Name   |     |
| RXA-10.2.1 | Surname   |     |
| RXA-10.3   | Given Name  |     |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |     |
| RXA-10.9   | Assigning Authority                                   |     |
| RXA-10.10  | Name Type Code  |     |
| RXA-10.13  | Identifier Type Code                                  |     |
| RXA-11     | Administered-at Location                              |     |
| RXA-11.4   | Facility  |     |
| RXA-17     | Substance Manufacturer<br>Name                        |     |
| RXA-17.1   | Identifier  |     |
| RXA-17.2   | Text  |     |
| RXA-17.3   | Name of Coding System                                 |     |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |     |
| RXA-18.1   | Identifier  |     |
| RXA-18.2   | Text  |     |
| RXA-18.3   | Name of Coding System                                 |     |
| RXA-20     | Completion Status                                     | NA  |

| 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                              | 20221031         |                |
| RXA-5    | Administered Code                 |                  |                |
| RXA-5.1  | Identifier                        | 998              |                |
| RXA-5.2  | Text                              | no vaccine admin |                |
| RXA-5.3  | Name of Coding System             | CVX              |                |
| RXA-6    | Administered Amount               | 999              |                |
| RXA-7    | Administered Units                |                  |                |
| RXA-7.1  | Identifier                        |                  |                |
| RXA-7.2  | Text                              |                  |                |
| RXA-7.3  | Name of Coding System             |                  |                |
| RXA-9    | Administration Notes              |                  |                |
| RXA-9.1  | Identifier                        |                  |                |
| RXA-9.2  | Text                              |                  |                |
| RXA-9.3  | Name of Coding System             |                  |                |
| RXA-10   | Administering Provider            |                  |                |

| RXA-10.1   | ID Number   |    |
|------------|---|----|
| RXA-10.2   | Family Name   |    |
| RXA-10.2.1 | Surname   |    |
| RXA-10.3   | Given Name  |    |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |    |
| RXA-10.9   | Assigning Authority                                   |    |
| RXA-10.10  | Name Type Code  |    |
| RXA-10.13  | Identifier Type Code                                  |    |
| RXA-11     | Administered-at Location                              |    |
| RXA-11.4   | Facility  |    |
| RXA-17     | Substance Manufacturer<br>Name                        |    |
| RXA-17.1   | Identifier  |    |
| RXA-17.2   | Text  |    |
| RXA-17.3   | Name of Coding System                                 |    |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |    |
| RXA-18.1   | Identifier  |    |
| RXA-18.2   | Text  |    |
| RXA-18.3   | Name of Coding System                                 |    |
| RXA-20     | Completion Status                                     | NA |

| Location   | Data Element  | Data             | Categorization |
|------------|---|------------------|----------------|
| RXA-1      | Give Sub-ID Counter                                   | 0                |                |
| RXA-2      | Administration Sub-ID<br>Counter                      | 1                |                |
| RXA-3      | Date/Time Start of<br>Administration                  |                  |                |
| RXA-3.1    | Time  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |

| RXA-17   | Substance Manufacturer<br>Name        |    |
|----------|---------------------------------------|----|
| RXA-17.1 | Identifier                            |    |
| RXA-17.2 | Text                                  |    |
| RXA-17.3 | Name of Coding System                 |    |
| RXA-18   | Substance/Treatment<br>Refusal Reason |    |
| RXA-18.1 | Identifier                            |    |
| RXA-18.2 | Text                                  |    |
| RXA-18.3 | Name of Coding System                 |    |
| RXA-20   | Completion Status                     | NA |

| 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<br>Administration                  |                  |                |
| RXA-3.1    | Time  | 20221031         |                |
| RXA-5      | Administered Code                                     |                  |                |
| RXA-5.1    | Identifier  | 998              |                |
| RXA-5.2    | Text  | no vaccine admin |                |
| RXA-5.3    | Name of Coding System                                 | CVX              |                |
| RXA-6      | Administered Amount                                   | 999              |                |
| RXA-7      | Administered Units                                    |                  |                |
| RXA-7.1    | Identifier  |                  |                |
| RXA-7.2    | Text  |                  |                |
| RXA-7.3    | Name of Coding System                                 |                  |                |
| RXA-9      | Administration Notes                                  |                  |                |
| RXA-9.1    | Identifier  |                  |                |
| RXA-9.2    | Text  |                  |                |
| RXA-9.3    | Name of Coding System                                 |                  |                |
| RXA-10     | Administering Provider                                |                  |                |
| RXA-10.1   | ID Number   |                  |                |
| RXA-10.2   | Family Name   |                  |                |
| RXA-10.2.1 | Surname   |                  |                |
| RXA-10.3   | Given Name  |                  |                |
| RXA-10.4   | Second and Further Given<br>Names or Initials Thereof |                  |                |
| RXA-10.9   | Assigning Authority                                   |                  |                |
| RXA-10.10  | Name Type Code  |                  |                |
| RXA-10.13  | Identifier Type Code                                  |                  |                |
| RXA-11     | Administered-at Location                              |                  |                |
| RXA-11.4   | Facility  |                  |                |
| RXA-17     | Substance Manufacturer<br>Name                        |                  |                |
| RXA-17.1   | Identifier  |                  |                |
| RXA-17.2   | Text  |                  |                |
| RXA-17.3   | Name of Coding System                                 |                  |                |
| RXA-18     | Substance/Treatment<br>Refusal Reason                 |                  |                |
| RXA-18.1   | Identifier  |                  |                |
| RXA-18.2   | Text  |                  |                |
| RXA-18.3   | Name of Coding System                                 |                  |                |
| RXA-20     | Completion Status                                     | NA               |                |

| 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            | LT         |                |
| RXR-2.2  | Text                  | Left Thigh |                |
| RXR-2.3  | Name of Coding System | HL70163    |                |

| Location | Data Element                 | Data                           | Categorization |
|----------|------------------------------|--------------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 1                              |                |
| 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           | 1                              |                |
| OBX-5    | Observation Value            |                                |                |
| OBX-5.1  | Identifier                   | 45                             |                |
| OBX-5.2  | Text                         | Hep B, unspecified formulation |                |
| 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                         |                                |                |

| Location | Data Element                    | Data                       | Categorization |
|----------|---------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                    | 2                          |                |
| OBX-2    | Value Type                      | CE                         |                |
| OBX-3    | Observation Identifier          |                            |                |
| OBX-3.1  | Identifier                      | 59779-9                    |                |
| OBX-3.2  | Text                            | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System           | LN                         |                |
| OBX-4    | Observation Sub-ID              | 1                          |                |
| OBX-5    | Observation Value               |                            |                |
| OBX-5.1  | Identifier                      | VXC16                      |                |
| OBX-5.2  | Text                            | ACIP                       |                |
| OBX-5.3  | Name of Coding System           | CDCPHINVS                  |                |
| 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<br>Observation |                            |                |
| OBX-14.1 | Time                            | 20221031                   |                |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         |                       |                |

## OBX - 4

| Location | Data Element                 | Data                      | Categorization |
|----------|------------------------------|---------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                         |                |
| OBX-2    | Value Type                   | NM                        |                |
| OBX-3    | Observation Identifier       |                           |                |
| OBX-3.1  | Identifier                   | 59782-3                   |                |
| OBX-3.2  | Text                         | number of doses in series |                |
| OBX-3.3  | Name of Coding System        | LN                        |                |
| OBX-4    | Observation Sub-ID           | 1                         |                |
| OBX-5    | Observation Value            | 3                         |                |
| OBX-6    | Units                        |                           |                |
| OBX-6.1  | Identifier                   | NA                        |                |
| OBX-6.2  | Text                         |                           |                |
| OBX-6.3  | Name of Coding System        | HL70353                   |                |
| OBX-11   | Observation Result Status    | F                         |                |
| OBX-14   | Date/Time of the Observation |                           |                |
| OBX-14.1 | Time                         |                           |                |

| Location | Data Element                 | Data          | Categorization |
|----------|------------------------------|---------------|----------------|
| OBX-1    | Set ID - OBX                 | 5             |                |
| OBX-2    | Value Type                   | ID            |                |
| OBX-3    | Observation Identifier       |               |                |
| OBX-3.1  | Identifier                   | 59781-5       |                |
| OBX-3.2  | Text                         | Dose validity |                |
| OBX-3.3  | Name of Coding System        | LN            |                |
| OBX-4    | Observation Sub-ID           | 1             |                |
| OBX-5    | Observation Value            | Y             |                |
| 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                         |               |                |

| Location | Data Element                 | Data                           | Categorization |
|----------|------------------------------|--------------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 1                              |                |
| 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           | 1                              |                |
| OBX-5    | Observation Value            |                                |                |
| OBX-5.1  | Identifier                   | 45                             |                |
| OBX-5.2  | Text                         | Hep B, unspecified formulation |                |
| 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 - 7**

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

| Location | Data Element           | Data                  | Categorization |
|----------|------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX           | 3                     |                |
| OBX-2    | Value Type             | DT                    |                |
| OBX-3    | Observation Identifier |                       |                |
| OBX-3.1  | Identifier             | 30981-5               |                |
| OBX-3.2  | Text                   | Earliest date to give |                |
| OBX-3.3  | Name of Coding System  | LN                    |                |
| OBX-4    | Observation Sub-ID     | 1                     |                |
| OBX-5    | Observation Value      | 20221031              |                |

| 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                         |   |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221031             |                |
| 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 - 10

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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                         |                      |                |

| Location | Data Element           | Data                  | Categorization |
|----------|------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX           | 6                     |                |
| OBX-2    | Value Type             | NM                    |                |
| OBX-3    | Observation Identifier |                       |                |
| OBX-3.1  | Identifier             | 30973-2               |                |
| OBX-3.2  | Text                   | dose number in series |                |
| OBX-3.3  | Name of Coding System  | LN                    |                |

| OBX-4    | Observation Sub-ID           | 1        |  |
|----------|------------------------------|----------|--|
| OBX-5    | Observation Value            | 2        |  |
| OBX-6    | Units                        |          |  |
| OBX-6.1  | Identifier                   | NA       |  |
| OBX-6.2  | Text                         |          |  |
| OBX-6.3  | Name of Coding System        | HL70353  |  |
| OBX-11   | Observation Result Status    | F        |  |
| OBX-14   | Date/Time of the Observation |          |  |
| OBX-14.1 | Time                         | 20221216 |  |

| Location | Data Element                 | Data                          | Categorization |
|----------|------------------------------|-------------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 1                             |                |
| 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           | 1                             |                |
| OBX-5    | Observation Value            |                               |                |
| OBX-5.1  | Identifier                   | 107                           |                |
| OBX-5.2  | Text                         | DTaP, unspecified formulation |                |
| 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                         |                               |                |

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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 - 15

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221130             |                |
| 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                         |                      |                |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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                         |                      |                |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

#### OBX - 18

| Location | Data Element                 | Data         | Categorization |
|----------|------------------------------|--------------|----------------|
| OBX-1    | Set ID - OBX                 | 1            |                |
| 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           | 1            |                |
| OBX-5    | Observation Value            |              |                |
| OBX-5.1  | Identifier                   | 17           |                |
| OBX-5.2  | Text                         | Hib          |                |
| 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                         |              |                |

| ODA 17   |                        |                            |                |
|----------|------------------------|----------------------------|----------------|
| Location | Data Element           | Data                       | Categorization |
| OBX-1    | Set ID - OBX           | 2                          |                |
| OBX-2    | Value Type             | CE                         |                |
| OBX-3    | Observation Identifier |                            |                |
| OBX-3.1  | Identifier             | 59779-9                    |                |
| OBX-3.2  | Text                   | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System  | LN                         |                |
| OBX-4    | Observation Sub-ID     | 1                          |                |
| OBX-5    | Observation Value      |                            |                |
| OBX-5.1  | Identifier             | VXC16                      |                |
| OBX-5.2  | Text                   | ACIP                       |                |
| OBX-5.3  | Name of Coding System  | CDCPHINVS                  |                |

| 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                         | 20221031 |  |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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 - 21

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221130             |                |
| 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                         |                      |                |

| Location Data Element Data Categorization |                        |                      |                |
|---|------------------------|----------------------|----------------|
| Location                                  | Data Element           | Data                 | Categorization |
| OBX-1                                     | Set ID - OBX           | 5                    |                |
| OBX-2                                     | Value Type             | DT                   |                |
| OBX-3                                     | Observation Identifier |                      |                |
| OBX-3.1                                   | Identifier             | 59778-1              |                |
| OBX-3.2                                   | Text                   | Date dose is overdue |                |
| OBX-3.3                                   | Name of Coding System  | LN                   |                |

| OBX-4    | Observation Sub-ID           | 1        |
|----------|------------------------------|----------|
| OBX-5    | Observation Value            | 20230101 |
| 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                         |          |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

#### OBX - 24

| Location | Data Element                 | Data         | Categorization |
|----------|------------------------------|--------------|----------------|
| OBX-1    | Set ID - OBX                 | 1            |                |
| 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           | 1            |                |
| OBX-5    | Observation Value            |              |                |
| OBX-5.1  | Identifier                   | 10           |                |
| OBX-5.2  | Text                         | IPV          |                |
| 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                         |              |                |

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| OBX-1    | Set ID - OBX | 2    |                |
| OBX-2    | Value Type   | CE   |                |

| OBX-3    | Observation Identifier          |                            |  |
|----------|---------------------------------|----------------------------|--|
| OBX-3.1  | Identifier                      | 59779-9                    |  |
| OBX-3.2  | Text                            | Immunization Schedule used |  |
| OBX-3.3  | Name of Coding System           | LN                         |  |
| OBX-4    | Observation Sub-ID              | 1                          |  |
| OBX-5    | Observation Value               |                            |  |
| OBX-5.1  | Identifier                      | VXC16                      |  |
| OBX-5.2  | Text                            | ACIP                       |  |
| OBX-5.3  | Name of Coding System           | CDCPHINVS                  |  |
| 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<br>Observation |                            |  |
| OBX-14.1 | Time                            | 20221031                   |  |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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                         |                       |                |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221130             |                |
| 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                         |                      |                |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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 - 29

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

| 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             | 30956-7   |                |  |
| OBX-3.2  | Text                   | vaccine type                                    |                |  |
| OBX-3.3  | Name of Coding System  | LN  |                |  |
| OBX-4    | Observation Sub-ID     | 1   |                |  |
| OBX-5    | Observation Value      |   |                |  |
| OBX-5.1  | Identifier             | 152   |                |  |
| OBX-5.2  | Text                   | Pneumococcal Conjugate, unspecified formulation |                |  |
| 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<br>Observation |   |  |
| OBX-14.1 | Time                            |   |  |

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

## OBX - 32

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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                         |                       |                |

| Location | Data Element           | Data                 | Categorization |
|----------|------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX           | 4                    |                |
| OBX-2    | Value Type             | DT                   |                |
| OBX-3    | Observation Identifier |                      |                |
| OBX-3.1  | Identifier             | 30980-7              |                |
| OBX-3.2  | Text                   | Date vaccination due |                |
| OBX-3.3  | Name of Coding System  | LN                   |                |
| OBX-4    | Observation Sub-ID     | 1                    |                |
| OBX-5    | Observation Value      | 20221130             |                |

| 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                         |   |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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 - 35

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

| Location | Data Element           | Data         | Categorization |
|----------|------------------------|--------------|----------------|
| OBX-1    | Set ID - OBX           | 1            |                |
| 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              | 1                                  |  |
|----------|---------------------------------|------------------------------------|--|
| OBX-5    | Observation Value               |                                    |  |
| OBX-5.1  | Identifier                      | 122                                |  |
| OBX-5.2  | Text                            | rotavirus, unspecified formulation |  |
| 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<br>Observation |                                    |  |
| OBX-14.1 | Time                            |                                    |  |

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20221130              |                |
| 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                         |                       |                |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20221130             |                |
| 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 - 40

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230101             |                |
| 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                         |                      |                |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

| Location | Data Element                 | Data                               | Categorization |
|----------|------------------------------|------------------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 1                                  |                |
| 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           | 1                                  |                |
| OBX-5    | Observation Value            |                                    |                |
| OBX-5.1  | Identifier                   | 88                                 |                |
| OBX-5.2  | Text                         | influenza, unspecified formulation |                |
| 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 - 43

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

| Location | Data Element           | Data                  | Categorization |
|----------|------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX           | 3                     |                |
| OBX-2    | Value Type             | DT                    |                |
| OBX-3    | Observation Identifier |                       |                |
| OBX-3.1  | Identifier             | 30981-5               |                |
| OBX-3.2  | Text                   | Earliest date to give |                |
| OBX-3.3  | Name of Coding System  | LN                    |                |
| OBX-4    | Observation Sub-ID     | 1                     |                |
| OBX-5    | Observation Value      | 20230901              |                |

| 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                         |   |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20230901             |                |
| 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 - 46

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20240101             |                |
| 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                         |                      |                |

| Location | Data Element           | Data                  | Categorization |
|----------|------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX           | 6                     |                |
| OBX-2    | Value Type             | NM                    |                |
| OBX-3    | Observation Identifier |                       |                |
| OBX-3.1  | Identifier             | 30973-2               |                |
| OBX-3.2  | Text                   | dose number in series |                |
| OBX-3.3  | Name of Coding System  | LN                    |                |

| OBX-4    | Observation Sub-ID           | 1        |  |
|----------|------------------------------|----------|--|
| OBX-5    | Observation Value            | 1        |  |
| OBX-6    | Units                        |          |  |
| OBX-6.1  | Identifier                   | NA       |  |
| OBX-6.2  | Text                         |          |  |
| OBX-6.3  | Name of Coding System        | HL70353  |  |
| OBX-11   | Observation Result Status    | F        |  |
| OBX-14   | Date/Time of the Observation |          |  |
| OBX-14.1 | Time                         | 20221031 |  |

| Location | Data Element                 | Data                           | Categorization |
|----------|------------------------------|--------------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 1                              |                |
| 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           | 1                              |                |
| OBX-5    | Observation Value            |                                |                |
| OBX-5.1  | Identifier                   | 85                             |                |
| OBX-5.2  | Text                         | Hep A, unspecified formulation |                |
| 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                         |                                |                |

| Location | Data Element                 | Data                       | Categorization |
|----------|------------------------------|----------------------------|----------------|
| OBX-1    | Set ID - OBX                 | 2                          |                |
| OBX-2    | Value Type                   | CE                         |                |
| OBX-3    | Observation Identifier       |                            |                |
| OBX-3.1  | Identifier                   | 59779-9                    |                |
| OBX-3.2  | Text                         | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System        | LN                         |                |
| OBX-4    | Observation Sub-ID           | 1                          |                |
| OBX-5    | Observation Value            |                            |                |
| OBX-5.1  | Identifier                   | VXC16                      |                |
| OBX-5.2  | Text                         | ACIP                       |                |
| OBX-5.3  | Name of Coding System        | CDCPHINVS                  |                |
| 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                         | 20221031                   |                |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20231001              |                |
| 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 - 51

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20231001             |                |
| 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                         |                      |                |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20240101             |                |
| 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                         |                      |                |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

## OBX - 54

| Location | Data Element                 | Data         | Categorization |
|----------|------------------------------|--------------|----------------|
| OBX-1    | Set ID - OBX                 | 1            |                |
| 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           | 1            |                |
| OBX-5    | Observation Value            |              |                |
| OBX-5.1  | Identifier                   | 03           |                |
| OBX-5.2  | Text                         | MMR          |                |
| 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                         |              |                |

| 9213 44  |                        |                            |                |
|----------|------------------------|----------------------------|----------------|
| Location | Data Element           | Data                       | Categorization |
| OBX-1    | Set ID - OBX           | 2                          |                |
| OBX-2    | Value Type             | СЕ                         |                |
| OBX-3    | Observation Identifier |                            |                |
| OBX-3.1  | Identifier             | 59779-9                    |                |
| OBX-3.2  | Text                   | Immunization Schedule used |                |
| OBX-3.3  | Name of Coding System  | LN                         |                |
| OBX-4    | Observation Sub-ID     | 1                          |                |
| OBX-5    | Observation Value      |                            |                |
| OBX-5.1  | Identifier             | VXC16                      |                |
| OBX-5.2  | Text                   | ACIP                       |                |
| OBX-5.3  | Name of Coding System  | CDCPHINVS                  |                |

| 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<br>Observation |          |  |
| OBX-14.1 | Time                            | 20221031 |  |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20231001              |                |
| 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 - 57

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 4                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 30980-7              |                |
| OBX-3.2  | Text                         | Date vaccination due |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20231001             |                |
| 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                         |                      |                |

| Location | Location Data Element Data Categorization |                      |                |  |  |
|----------|---|----------------------|----------------|--|--|
| Location | Data Element                              | Data                 | Categorization |  |  |
| OBX-1    | Set ID - OBX                              | 5                    |                |  |  |
| OBX-2    | Value Type                                | DT                   |                |  |  |
| OBX-3    | Observation Identifier                    |                      |                |  |  |
| OBX-3.1  | Identifier                                | 59778-1              |                |  |  |
| OBX-3.2  | Text                                      | Date dose is overdue |                |  |  |
| OBX-3.3  | Name of Coding System                     | LN                   |                |  |  |

| OBX-4    | Observation Sub-ID           | 1        |
|----------|------------------------------|----------|
| OBX-5    | Observation Value            | 20240401 |
| 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                         |          |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |

#### OBX - 60

| Location | Data Element                 | Data         | Categorization |
|----------|------------------------------|--------------|----------------|
| OBX-1    | Set ID - OBX                 | 1            |                |
| 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           | 1            |                |
| OBX-5    | Observation Value            |              |                |
| OBX-5.1  | Identifier                   | 21           |                |
| OBX-5.2  | Text                         | Varicella    |                |
| 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                         |              |                |

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| OBX-1    | Set ID - OBX | 2    |                |
| OBX-2    | Value Type   | CE   |                |

| OBX-3    | Observation Identifier          |                            |  |
|----------|---------------------------------|----------------------------|--|
| OBX-3.1  | Identifier                      | 59779-9                    |  |
| OBX-3.2  | Text                            | Immunization Schedule used |  |
| OBX-3.3  | Name of Coding System           | LN                         |  |
| OBX-4    | Observation Sub-ID              | 1                          |  |
| OBX-5    | Observation Value               |                            |  |
| OBX-5.1  | Identifier                      | VXC16                      |  |
| OBX-5.2  | Text                            | ACIP                       |  |
| OBX-5.3  | Name of Coding System           | CDCPHINVS                  |  |
| 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<br>Observation |                            |  |
| OBX-14.1 | Time                            | 20221031                   |  |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 3                     |                |
| OBX-2    | Value Type                   | DT                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30981-5               |                |
| OBX-3.2  | Text                         | Earliest date to give |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 20231001              |                |
| 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                         |                       |                |

| Location | Data Element                    | Data                 | Categorization |
|----------|---------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                    | 4                    |                |
| OBX-2    | Value Type                      | DT                   |                |
| OBX-3    | Observation Identifier          |                      |                |
| OBX-3.1  | Identifier                      | 30980-7              |                |
| OBX-3.2  | Text                            | Date vaccination due |                |
| OBX-3.3  | Name of Coding System           | LN                   |                |
| OBX-4    | Observation Sub-ID              | 1                    |                |
| OBX-5    | Observation Value               | 20231001             |                |
| 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<br>Observation |                      |                |
| OBX-14.1 | Time                            |                      |                |

| Location | Data Element                 | Data                 | Categorization |
|----------|------------------------------|----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 5                    |                |
| OBX-2    | Value Type                   | DT                   |                |
| OBX-3    | Observation Identifier       |                      |                |
| OBX-3.1  | Identifier                   | 59778-1              |                |
| OBX-3.2  | Text                         | Date dose is overdue |                |
| OBX-3.3  | Name of Coding System        | LN                   |                |
| OBX-4    | Observation Sub-ID           | 1                    |                |
| OBX-5    | Observation Value            | 20240401             |                |
| 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                         |                      |                |

| Location | Data Element                 | Data                  | Categorization |
|----------|------------------------------|-----------------------|----------------|
| OBX-1    | Set ID - OBX                 | 6                     |                |
| OBX-2    | Value Type                   | NM                    |                |
| OBX-3    | Observation Identifier       |                       |                |
| OBX-3.1  | Identifier                   | 30973-2               |                |
| OBX-3.2  | Text                         | dose number in series |                |
| OBX-3.3  | Name of Coding System        | LN                    |                |
| OBX-4    | Observation Sub-ID           | 1                     |                |
| OBX-5    | Observation Value            | 1                     |                |
| OBX-6    | Units                        |                       |                |
| OBX-6.1  | Identifier                   | NA                    |                |
| OBX-6.2  | Text                         |                       |                |
| OBX-6.3  | Name of Coding System        | HL70353               |                |
| OBX-11   | Observation Result Status    | F                     |                |
| OBX-14   | Date/Time of the Observation |                       |                |
| OBX-14.1 | Time                         | 20221031              |                |