

**MSH[1]**

| Location | Data Element                       | Data                         | Categorization               |
|----------|------------------------------------|------------------------------|------------------------------|
| MSH-1    | Field Separator                    |                              | Value-Profile Fixed          |
| MSH-2    | Encoding Characters                | ^~&                          | Value-Profile Fixed          |
| MSH-3    | Sending Application                |                              |                              |
| MSH-3.1  | Namespace ID                       | NISTAPP                      | Presence-Configuration       |
| MSH-4    | Sending Facility                   |                              |                              |
| MSH-4.1  | Namespace ID                       | NISTFAC                      | Presence-Configuration       |
| MSH-5    | Receiving Application              |                              |                              |
| MSH-5.1  | Namespace ID                       | IISAPP                       | Presence-Configuration       |
| MSH-6    | Receiving Facility                 |                              |                              |
| MSH-6.1  | Namespace ID                       | IISFAC                       | Presence-Configuration       |
| MSH-7    | Date/Time Of Message               |                              |                              |
| MSH-7.1  | Time                               | 20210107084727.655-0500      | Presence-System Generated    |
| MSH-9    | Message Type                       |                              |                              |
| MSH-9.1  | Message Code                       | VXU                          | Value-Profile Fixed          |
| MSH-9.2  | Trigger Event                      | V04                          | Value-Profile Fixed          |
| MSH-9.3  | Message Structure                  | VXU_V04                      | Value-Profile Fixed          |
| MSH-10   | Message Control ID                 | NIST-IZ-2.1-AA_Send_COVID-1P | Presence-System Generated    |
| MSH-11   | Processing ID                      |                              |                              |
| MSH-11.1 | Processing ID                      | P                            | Presence-Content Indifferent |
| MSH-12   | Version ID                         |                              |                              |
| MSH-12.1 | Version ID                         | 2.5.1                        | Value-Profile Fixed          |
| MSH-15   | Accept Acknowledgment Type         | ER                           | Value-Profile Fixed          |
| MSH-16   | Application Acknowledgment Type    | AL                           | Value-Profile Fixed          |
| MSH-21   | Message Profile Identifier         |                              |                              |
| MSH-21.1 | Entity Identifier                  | Z22                          | Value-Profile Fixed          |
| MSH-21.2 | Namespace ID                       | CDCPHINVS                    | Value-Profile Fixed          |
| MSH-22   | Sending Responsible Organization   |                              |                              |
| MSH-22.1 | Organization Name                  | NISTFAC                      | Presence-Configuration       |
| MSH-23   | Receiving Responsible Organization |                              |                              |
| MSH-23.1 | Organization Name                  | IISFAC                       | Presence-Configuration       |

**PID[1]**

| Location  | Data Element                                       | Data       | Categorization                      |
|-----------|--|------------|-------------------------------------|
| PID-1     | Set ID - PID                                       | 1          | Value-Profile Fixed                 |
| PID-3     | Patient Identifier List                            |            |                                     |
| PID-3.1   | ID Number  | 89778      | Presence-Content Indifferent        |
| PID-3.4   | Assigning Authority                                |            |                                     |
| PID-3.4.1 | Namespace ID                                       | NIST-MPI-1 | Presence-Content Indifferent        |
| PID-3.5   | Identifier Type Code                               | MR         | Value-Test Case Fixed               |
| PID-5     | Patient Name                                       |            |                                     |
| PID-5.1   | Family Name  |            |                                     |
| PID-5.1.1 | Surname  | Peters     | Presence-Content Indifferent        |
| PID-5.2   | Given Name   | Nancy      | Presence Length-Content Indifferent |
| PID-5.3   | Second and Further Given Names or Initials Thereof | Katherine  | Presence Length-Content Indifferent |
| PID-5.7   | Name Type Code                                     | L          | Value-Test Case Fixed               |
| PID-6     | Mother's Maiden Name                               |            |                                     |
| PID-6.1   | Family Name  |            |                                     |

|            |                                  |                        |                              |
|------------|----------------------------------|------------------------|------------------------------|
| PID-6.1.1  | Surname                          | Jones                  | Presence-Content Indifferent |
| PID-6.7    | Name Type Code                   | M                      | Value-Profile Fixed          |
| PID-7      | Date/Time of Birth               |                        |                              |
| PID-7.1    | Time                             | 19491221               | Presence-Content Indifferent |
| PID-8      | Administrative Sex               | F                      | Value-Test Case Fixed        |
| PID-10     | Race                             |                        |                              |
| PID-10.1   | Identifier                       | 2106-3                 | Value-Test Case Fixed        |
| PID-10.2   | Text                             | White                  | Presence-Test Case Proper    |
| PID-10.3   | Name of Coding System            | CDCREC                 | Value-Profile Fixed          |
| PID-11     | Patient Address                  |                        |                              |
| PID-11.1   | Street Address                   |                        |                              |
| PID-11.1.1 | Street or Mailing Address        | 105 Laurel Run Road    | Presence-Content Indifferent |
| PID-11.2   | Other Designation                |                        | Indifferent                  |
| PID-11.3   | City                             | Kersey                 | Presence-Content Indifferent |
| PID-11.4   | State or Province                | PA                     | Presence-Content Indifferent |
| PID-11.5   | Zip or Postal Code               | 15846                  | Presence-Content Indifferent |
| PID-11.6   | Country                          | USA                    | Presence-Content Indifferent |
| PID-11.7   | Address Type                     | P                      | Value-Test Case Fixed List   |
| PID-13     | Phone Number - Home              |                        |                              |
| PID-13.2   | Telecommunication Use Code       | PRN                    | Value-Test Case Fixed        |
| PID-13.3   | Telecommunication Equipment Type | PH                     | Value-Test Case Fixed        |
| PID-13.6   | Area/City Code                   | 406                    | Presence-Content Indifferent |
| PID-13.7   | Local Number                     | 5554019                | Presence-Content Indifferent |
| PID-22     | Ethnic Group                     |                        |                              |
| PID-22.1   | Identifier                       | 2186-5                 | Value-Test Case Fixed        |
| PID-22.2   | Text                             | Not Hispanic or Latino | Presence-Test Case Proper    |
| PID-22.3   | Name of Coding System            | CDCREC                 | Value-Profile Fixed          |
| PID-24     | Multiple Birth Indicator         | N                      | Value-Test Case Fixed        |
| PID-25     | Birth Order                      | 1                      | Indifferent                  |
| PID-30     | Patient Death Indicator          | N                      | Value-Test Case Fixed        |

**PD1[1]**

| Location | Data Element                                | Data               | Categorization               |
|----------|---|--------------------|------------------------------|
| PD1-11   | Publicity Code                              |                    |                              |
| PD1-11.1 | Identifier                                  | 01                 | Value-Test Case Fixed        |
| PD1-11.2 | Text  | No reminder/recall | Presence-Test Case Proper    |
| PD1-11.3 | Name of Coding System                       | HL70215            | Value-Profile Fixed          |
| PD1-12   | Protection Indicator                        | Y                  | Value-Test Case Fixed        |
| PD1-13   | Protection Indicator Effective Date         | 20150624           | Presence-Content Indifferent |
| PD1-16   | Immunization Registry Status                | A                  | Value-Test Case Fixed        |
| PD1-17   | Immunization Registry Status Effective Date | 20031221           | Presence-Content Indifferent |
| PD1-18   | Publicity Code Effective Date               | 20150624           | Presence-Content Indifferent |

**ORDER[1].ORC[1]**

| Location | Data Element        | Data         | Categorization               |
|----------|---------------------|--------------|------------------------------|
| ORC-1    | Order Control       | RE           | Value-Profile Fixed          |
| ORC-2    | Placer Order Number |              |                              |
| ORC-2.1  | Entity Identifier   | 9217         | Presence-Content Indifferent |
| ORC-2.2  | Namespace ID        | NIST-AA-IZ-2 | Presence-Content Indifferent |

|            |  |                 |                              |
|------------|--|-----------------|------------------------------|
| ORC-3      | Filler Order Number                                |                 |                              |
| ORC-3.1    | Entity Identifier                                  | 44333           | Presence-Content Indifferent |
| ORC-3.2    | Namespace ID                                       | NIST-AA-IZ-2    | Presence-Content Indifferent |
| ORC-10     | Entered By   |                 |                              |
| ORC-10.1   | ID Number  | 8247            | Presence-Content Indifferent |
| ORC-10.2   | Family Name  |                 |                              |
| ORC-10.2.1 | Surname  | Rodgers         | Presence-Content Indifferent |
| ORC-10.3   | Given Name   | Macy            | Presence-Content Indifferent |
| ORC-10.4   | Second and Further Given Names or Initials Thereof | Jane            | Presence-Content Indifferent |
| ORC-10.9   | Assigning Authority                                |                 |                              |
| ORC-10.9.1 | Namespace ID                                       | NIST-PI-1       | Presence-Content Indifferent |
| ORC-10.10  | Name Type Code                                     | L               | Value-Test Case Fixed        |
| ORC-10.13  | Identifier Type Code                               | PRN             | Value-Test Case Fixed List   |
| ORC-12     | Ordering Provider                                  |                 |                              |
| ORC-12.1   | ID Number  | 546             | Presence-Content Indifferent |
| ORC-12.2   | Family Name  |                 |                              |
| ORC-12.2.1 | Surname  | Bonn            | Presence-Content Indifferent |
| ORC-12.3   | Given Name   | Lisa            | Presence-Content Indifferent |
| ORC-12.4   | Second and Further Given Names or Initials Thereof | R               | Presence-Content Indifferent |
| ORC-12.9   | Assigning Authority                                |                 |                              |
| ORC-12.9.1 | Namespace ID                                       | NIST-PI-1       | Presence-Content Indifferent |
| ORC-12.10  | Name Type Code                                     | L               | Value-Test Case Fixed        |
| ORC-12.13  | Identifier Type Code                               | MD              | Value-Test Case Fixed List   |
| ORC-17     | Entering Organization                              |                 |                              |
| ORC-17.1   | Identifier   | NISTEHRFAC      | Presence-Content Indifferent |
| ORC-17.2   | Text   | NISTEHRFacility | Presence-Content Indifferent |
| ORC-17.3   | Name of Coding System                              | HL70362         | Value-Profile Fixed          |

**ORDER[1].RXA[1]**

| Location | Data Element                      | Data  | Categorization               |
|----------|-----------------------------------|---|------------------------------|
| RXA-1    | Give Sub-ID Counter               | 0   | Value-Profile Fixed          |
| RXA-2    | Administration Sub-ID Counter     | 1   | Value-Profile Fixed          |
| RXA-3    | Date/Time Start of Administration |   |                              |
| RXA-3.1  | Time                              | 20210107                                      | Presence-Content Indifferent |
| RXA-5    | Administered Code                 |   |                              |
| RXA-5.1  | Identifier                        | 59267-1000-02                                 | Value-Test Case Fixed List   |
| RXA-5.2  | Text                              | Pfizer-BioNTech Covid-19 Vaccine              | Presence-Test Case Proper    |
| RXA-5.3  | Name of Coding System             | NDC   | Value-Profile Fixed          |
| RXA-5.4  | Alternate Identifier              | 208   | Value-Test Case Fixed        |
| RXA-5.5  | Alternate Text                    | COVID-19, mRNA, LNP-S, PF, 30 mcg/0.3 mL dose | Presence-Test Case Proper    |
| RXA-5.6  | Name of Alternate Coding System   | CVX   | Value-Profile Fixed          |
| RXA-6    | Administered Amount               | 0.3   | Value-Test Case Fixed        |
| RXA-7    | Administered Units                |   |                              |
| RXA-7.1  | Identifier                        | mL  | Value-Test Case Fixed        |
| RXA-7.2  | Text                              | mL  | Presence-Test Case Proper    |
| RXA-7.3  | Name of Coding System             | UCUM  | Value-Profile Fixed          |
| RXA-9    | Administration Notes              |   |                              |
| RXA-9.1  | Identifier                        | 00  | Value-Test Case Fixed        |
| RXA-9.2  | Text                              | New Record                                    | Presence-Test Case Proper    |
| RXA-9.3  | Name of Coding System             | NIP001  | Value-Profile Fixed          |

|            |  |                |                              |
|------------|--|----------------|------------------------------|
| RXA-10     | Administering Provider                             |                |                              |
| RXA-10.1   | ID Number  | 8247           | Presence-Content Indifferent |
| RXA-10.2   | Family Name  |                |                              |
| RXA-10.2.1 | Surname  | Rodgers        | Presence-Content Indifferent |
| RXA-10.3   | Given Name   | Macy           | Presence-Content Indifferent |
| RXA-10.4   | Second and Further Given Names or Initials Thereof | Jane           | Presence-Content Indifferent |
| RXA-10.9   | Assigning Authority                                |                |                              |
| RXA-10.9.1 | Namespace ID                                       | NIST-PI-1      | Presence-Content Indifferent |
| RXA-10.10  | Name Type Code                                     | L              | Value-Test Case Fixed        |
| RXA-10.13  | Identifier Type Code                               | PRN            | Value-Test Case Fixed List   |
| RXA-11     | Administered-at Location                           |                |                              |
| RXA-11.4   | Facility   |                |                              |
| RXA-11.4.1 | Namespace ID                                       | NIST-Clinic-E2 | Presence-Content Indifferent |
| RXA-15     | Substance Lot Number                               | EL8982         | Presence-Content Indifferent |
| RXA-16     | Substance Expiration Date                          |                |                              |
| RXA-16.1   | Time   | 20210531       | Presence-Content Indifferent |
| RXA-17     | Substance Manufacturer Name                        |                |                              |
| RXA-17.1   | Identifier   | PFR            | Value-Test Case Fixed        |
| RXA-17.2   | Text   | Pfizer, Inc.   | Presence-Test Case Proper    |
| RXA-17.3   | Name of Coding System                              | MVX            | Value-Profile Fixed          |
| RXA-20     | Completion Status                                  | CP             | Value-Test Case Fixed        |
| RXA-21     | Action Code - RXA                                  | A              | Value-Test Case Fixed        |

#### ORDER[1].RXR[1]

| Location | Data Element          | Data          | Categorization            |
|----------|-----------------------|---------------|---------------------------|
| RXR-1    | Route                 |               |                           |
| RXR-1.1  | Identifier            | C28161        | Value-Test Case Fixed     |
| RXR-1.2  | Text                  | Intramuscular | Presence-Test Case Proper |
| RXR-1.3  | Name of Coding System | NCIT          | Value-Profile Fixed       |
| RXR-2    | Administration Site   |               |                           |
| RXR-2.1  | Identifier            | LD            | Value-Test Case Fixed     |
| RXR-2.2  | Text                  | Left Deltoid  | Presence-Test Case Proper |
| RXR-2.3  | Name of Coding System | HL70163       | Value-Profile Fixed       |

#### ORDER[1].OBSERVATION[1].OBX[1]

| Location | Data Element                 | Data                   | Categorization               |
|----------|------------------------------|------------------------|------------------------------|
| OBX-1    | Set ID - OBX                 | 1                      | Value-Profile Fixed          |
| OBX-2    | Value Type                   | CE                     | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |                        |                              |
| OBX-3.1  | Identifier                   | 30963-3                | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Vaccine Funding Source | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN                     | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 1                      | Presence-Test Case Proper    |
| OBX-5    | Observation Value            |                        |                              |
| OBX-5.1  | Identifier                   | VXC50                  | Value-Test Case Fixed        |
| OBX-5.2  | Text                         | Public                 | Presence-Test Case Proper    |
| OBX-5.3  | Name of Coding System        | CDCPHINVS              | Value-Profile Fixed          |
| OBX-11   | Observation Result Status    | F                      | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |                        |                              |
| OBX-14.1 | Time                         | 20210107               | Presence-Content Indifferent |

#### ORDER[1].OBSERVATION[2].OBX[1]

| Location | Data Element                 | Data   | Categorization               |
|----------|------------------------------|--|------------------------------|
| OBX-1    | Set ID - OBX                 | 2  | Value-Profile Fixed          |
| OBX-2    | Value Type                   | CE   | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |  |                              |
| OBX-3.1  | Identifier                   | 64994-7  | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Vaccine Funding Program Eligibility            | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN   | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 2  | Presence-Test Case Proper    |
| OBX-5    | Observation Value            |  |                              |
| OBX-5.1  | Identifier                   | V01  | Value-Test Case Fixed        |
| OBX-5.2  | Text                         | Not VFC Eligible                               | Presence-Test Case Proper    |
| OBX-5.3  | Name of Coding System        | HL70064  | Value-Profile Fixed          |
| OBX-11   | Observation Result Status    | F  | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |  |                              |
| OBX-14.1 | Time                         | 20210107                                       | Presence-Content Indifferent |
| OBX-17   | Observation Method           |  |                              |
| OBX-17.1 | Identifier                   | VXC40  | Value-Test Case Fixed        |
| OBX-17.2 | Text                         | Eligibility captured at the immunization level | Presence-Test Case Proper    |
| OBX-17.3 | Name of Coding System        | CDCPHINVS                                      | Value-Profile Fixed          |

**ORDER[1].OBSERVATION[3].OBX[1]**

| Location | Data Element                 | Data  | Categorization               |
|----------|------------------------------|---|------------------------------|
| OBX-1    | Set ID - OBX                 | 3   | Value-Profile Fixed          |
| OBX-2    | Value Type                   | CE  | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |   |                              |
| OBX-3.1  | Identifier                   | 69764-9   | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Document Type   | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN  | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 3   | Presence-Test Case Proper    |
| OBX-5    | Observation Value            |   |                              |
| OBX-5.1  | Identifier                   | 253088698300033211210501  | Value-Test Case Fixed        |
| OBX-5.2  | Text                         | COVID-19 Pfizer BioNTech Vaccine EUA Recipient-Caregiver Fact Sheet | Presence-Test Case Proper    |
| OBX-5.3  | Name of Coding System        | cdcgslvis   | Value-Profile Fixed          |
| OBX-11   | Observation Result Status    | F   | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |   |                              |
| OBX-14.1 | Time                         | 20201201  | Presence-Content Indifferent |

**ORDER[1].OBSERVATION[4].OBX[1]**

| Location | Data Element                 | Data   | Categorization               |
|----------|------------------------------|--|------------------------------|
| OBX-1    | Set ID - OBX                 | 4  | Value-Profile Fixed          |
| OBX-2    | Value Type                   | DT   | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |  |                              |
| OBX-3.1  | Identifier                   | 29769-7                                      | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Date Vaccine Information Statement Presented | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN   | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 3  | Presence-Test Case Proper    |
| OBX-5    | Observation Value            | 20210107                                     | Presence-Content Indifferent |
| OBX-11   | Observation Result Status    | F  | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |  |                              |

|          |      |          |                              |
|----------|------|----------|------------------------------|
| OBX-14.1 | Time | 20210107 | Presence-Content Indifferent |
|----------|------|----------|------------------------------|

**ORDER[1].OBSERVATION[5].OBX[1]**

| Location | Data Element                 | Data                  | Categorization               |
|----------|------------------------------|-----------------------|------------------------------|
| OBX-1    | Set ID - OBX                 | 5                     | Value-Profile Fixed          |
| OBX-2    | Value Type                   | ST                    | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |                       |                              |
| OBX-3.1  | Identifier                   | 30973-2               | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | dose number in series | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN                    | Value-Test Case Fixed        |
| OBX-4    | Observation Sub-ID           | 4                     | Presence-Test Case Proper    |
| OBX-5    | Observation Value            | 1                     | Presence-Content Indifferent |
| OBX-11   | Observation Result Status    | F                     | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |                       |                              |
| OBX-14.1 | Time                         | 20210107              | Presence-Content Indifferent |

**ORDER[1].OBSERVATION[6].OBX[1]**

| Location | Data Element                 | Data                          | Categorization               |
|----------|------------------------------|-------------------------------|------------------------------|
| OBX-1    | Set ID - OBX                 | 6                             | Value-Profile Fixed          |
| OBX-2    | Value Type                   | CE                            | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |                               |                              |
| OBX-3.1  | Identifier                   | 59783-1                       | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Status in immunization series | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN                            | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 4                             | Value-Test Case Fixed        |
| OBX-5    | Observation Value            |                               |                              |
| OBX-5.1  | Identifier                   | N                             | Value-Test Case Fixed        |
| OBX-5.2  | Text                         | No                            | Presence-Test Case Proper    |
| OBX-5.3  | Name of Coding System        | HL70136                       | Value-Profile Fixed          |
| OBX-11   | Observation Result Status    | F                             | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |                               |                              |
| OBX-14.1 | Time                         | 20210107                      | Presence-Content Indifferent |

| Location | Data Element          | Data                         | Categorization            |
|----------|-----------------------|------------------------------|---------------------------|
| MSH-1    | Field Separator       |                              | Value-Profile Fixed       |
| MSH-2    | Encoding Characters   | ^~\&                         | Value-Profile Fixed       |
| MSH-3    | Sending Application   |                              |                           |
| MSH-3.1  | Namespace ID          | NISTAPP                      | Presence-Configuration    |
| MSH-4    | Sending Facility      |                              |                           |
| MSH-4.1  | Namespace ID          | NISTFAC                      | Presence-Configuration    |
| MSH-5    | Receiving Application |                              |                           |
| MSH-5.1  | Namespace ID          | IISAPP                       | Presence-Configuration    |
| MSH-6    | Receiving Facility    |                              |                           |
| MSH-6.1  | Namespace ID          | IISFAC                       | Presence-Configuration    |
| MSH-7    | Date/Time Of Message  |                              |                           |
| MSH-7.1  | Time                  | 20210107084727.655-0500      | Presence-System Generated |
| MSH-9    | Message Type          |                              |                           |
| MSH-9.1  | Message Code          | VXU                          | Value-Profile Fixed       |
| MSH-9.2  | Trigger Event         | V04                          | Value-Profile Fixed       |
| MSH-9.3  | Message Structure     | VXU_V04                      | Value-Profile Fixed       |
| MSH-10   | Message Control ID    | NIST-IZ-2.1-AA_Send_COVID-1P | Presence-System Generated |

|          |                                    |           |                              |
|----------|------------------------------------|-----------|------------------------------|
| MSH-11   | Processing ID                      |           |                              |
| MSH-11.1 | Processing ID                      | P         | Presence-Content Indifferent |
| MSH-12   | Version ID                         |           |                              |
| MSH-12.1 | Version ID                         | 2.5.1     | Value-Profile Fixed          |
| MSH-15   | Accept Acknowledgment Type         | ER        | Value-Profile Fixed          |
| MSH-16   | Application Acknowledgment Type    | AL        | Value-Profile Fixed          |
| MSH-21   | Message Profile Identifier         |           |                              |
| MSH-21.1 | Entity Identifier                  | Z22       | Value-Profile Fixed          |
| MSH-21.2 | Namespace ID                       | CDCPHINVS | Value-Profile Fixed          |
| MSH-22   | Sending Responsible Organization   |           |                              |
| MSH-22.1 | Organization Name                  | NISTFAC   | Presence-Configuration       |
| MSH-23   | Receiving Responsible Organization |           |                              |
| MSH-23.1 | Organization Name                  | IISFAC    | Presence-Configuration       |

| Location   | Data Element                                       | Data                | Categorization                      |
|------------|--|---------------------|-------------------------------------|
| PID-1      | Set ID - PID                                       | 1                   | Value-Profile Fixed                 |
| PID-3      | Patient Identifier List                            |                     |                                     |
| PID-3.1    | ID Number  | 89778               | Presence-Content Indifferent        |
| PID-3.4    | Assigning Authority                                |                     |                                     |
| PID-3.4.1  | Namespace ID                                       | NIST-MPI-1          | Presence-Content Indifferent        |
| PID-3.5    | Identifier Type Code                               | MR                  | Value-Test Case Fixed               |
| PID-5      | Patient Name                                       |                     |                                     |
| PID-5.1    | Family Name  |                     |                                     |
| PID-5.1.1  | Surname  | Peters              | Presence-Content Indifferent        |
| PID-5.2    | Given Name   | Nancy               | Presence Length-Content Indifferent |
| PID-5.3    | Second and Further Given Names or Initials Thereof | Katherine           | Presence Length-Content Indifferent |
| PID-5.7    | Name Type Code                                     | L                   | Value-Test Case Fixed               |
| PID-6      | Mother's Maiden Name                               |                     |                                     |
| PID-6.1    | Family Name  |                     |                                     |
| PID-6.1.1  | Surname  | Jones               | Presence-Content Indifferent        |
| PID-6.7    | Name Type Code                                     | M                   | Value-Profile Fixed                 |
| PID-7      | Date/Time of Birth                                 |                     |                                     |
| PID-7.1    | Time   | 19491221            | Presence-Content Indifferent        |
| PID-8      | Administrative Sex                                 | F                   | Value-Test Case Fixed               |
| PID-10     | Race   |                     |                                     |
| PID-10.1   | Identifier   | 2106-3              | Value-Test Case Fixed               |
| PID-10.2   | Text   | White               | Presence-Test Case Proper           |
| PID-10.3   | Name of Coding System                              | CDCREC              | Value-Profile Fixed                 |
| PID-11     | Patient Address                                    |                     |                                     |
| PID-11.1   | Street Address                                     |                     |                                     |
| PID-11.1.1 | Street or Mailing Address                          | 105 Laurel Run Road | Presence-Content Indifferent        |
| PID-11.2   | Other Designation                                  |                     | Indifferent                         |
| PID-11.3   | City   | Kersey              | Presence-Content Indifferent        |
| PID-11.4   | State or Province                                  | PA                  | Presence-Content Indifferent        |
| PID-11.5   | Zip or Postal Code                                 | 15846               | Presence-Content Indifferent        |
| PID-11.6   | Country  | USA                 | Presence-Content Indifferent        |
| PID-11.7   | Address Type                                       | P                   | Value-Test Case Fixed List          |
| PID-13     | Phone Number - Home                                |                     |                                     |
| PID-13.2   | Telecommunication Use Code                         | PRN                 | Value-Test Case Fixed               |



|          |                                  |                        |                              |
|----------|----------------------------------|------------------------|------------------------------|
| PID-13.3 | Telecommunication Equipment Type | PH                     | Value-Test Case Fixed        |
| PID-13.6 | Area/City Code                   | 406                    | Presence-Content Indifferent |
| PID-13.7 | Local Number                     | 5554019                | Presence-Content Indifferent |
| PID-22   | Ethnic Group                     |                        |                              |
| PID-22.1 | Identifier                       | 2186-5                 | Value-Test Case Fixed        |
| PID-22.2 | Text                             | Not Hispanic or Latino | Presence-Test Case Proper    |
| PID-22.3 | Name of Coding System            | CDCREC                 | Value-Profile Fixed          |
| PID-24   | Multiple Birth Indicator         | N                      | Value-Test Case Fixed        |
| PID-25   | Birth Order                      | 1                      | Indifferent                  |
| PID-30   | Patient Death Indicator          | N                      | Value-Test Case Fixed        |

| Location | Data Element                                | Data               | Categorization               |
|----------|---|--------------------|------------------------------|
| PD1-11   | Publicity Code                              |                    |                              |
| PD1-11.1 | Identifier                                  | 01                 | Value-Test Case Fixed        |
| PD1-11.2 | Text  | No reminder/recall | Presence-Test Case Proper    |
| PD1-11.3 | Name of Coding System                       | HL70215            | Value-Profile Fixed          |
| PD1-12   | Protection Indicator                        | Y                  | Value-Test Case Fixed        |
| PD1-13   | Protection Indicator Effective Date         | 20150624           | Presence-Content Indifferent |
| PD1-16   | Immunization Registry Status                | A                  | Value-Test Case Fixed        |
| PD1-17   | Immunization Registry Status Effective Date | 20031221           | Presence-Content Indifferent |
| PD1-18   | Publicity Code Effective Date               | 20150624           | Presence-Content Indifferent |

| Location   | Data Element                                       | Data         | Categorization               |
|------------|--|--------------|------------------------------|
| ORC-1      | Order Control                                      | RE           | Value-Profile Fixed          |
| ORC-2      | Placer Order Number                                |              |                              |
| ORC-2.1    | Entity Identifier                                  | 9217         | Presence-Content Indifferent |
| ORC-2.2    | Namespace ID                                       | NIST-AA-IZ-2 | Presence-Content Indifferent |
| ORC-3      | Filler Order Number                                |              |                              |
| ORC-3.1    | Entity Identifier                                  | 44333        | Presence-Content Indifferent |
| ORC-3.2    | Namespace ID                                       | NIST-AA-IZ-2 | Presence-Content Indifferent |
| ORC-10     | Entered By   |              |                              |
| ORC-10.1   | ID Number  | 8247         | Presence-Content Indifferent |
| ORC-10.2   | Family Name  |              |                              |
| ORC-10.2.1 | Surname  | Rodgers      | Presence-Content Indifferent |
| ORC-10.3   | Given Name   | Macy         | Presence-Content Indifferent |
| ORC-10.4   | Second and Further Given Names or Initials Thereof | Jane         | Presence-Content Indifferent |
| ORC-10.9   | Assigning Authority                                |              |                              |
| ORC-10.9.1 | Namespace ID                                       | NIST-PI-1    | Presence-Content Indifferent |
| ORC-10.10  | Name Type Code                                     | L            | Value-Test Case Fixed        |
| ORC-10.13  | Identifier Type Code                               | PRN          | Value-Test Case Fixed List   |
| ORC-12     | Ordering Provider                                  |              |                              |
| ORC-12.1   | ID Number  | 546          | Presence-Content Indifferent |
| ORC-12.2   | Family Name  |              |                              |
| ORC-12.2.1 | Surname  | Bonn         | Presence-Content Indifferent |
| ORC-12.3   | Given Name   | Lisa         | Presence-Content Indifferent |
| ORC-12.4   | Second and Further Given Names or Initials Thereof | R            | Presence-Content Indifferent |
| ORC-12.9   | Assigning Authority                                |              |                              |
| ORC-12.9.1 | Namespace ID                                       | NIST-PI-1    | Presence-Content Indifferent |
| ORC-12.10  | Name Type Code                                     | L            | Value-Test Case Fixed        |
| ORC-12.13  | Identifier Type Code                               | MD           | Value-Test Case Fixed List   |
| ORC-17     | Entering Organization                              |              |                              |



|          |                       |                 |                              |
|----------|-----------------------|-----------------|------------------------------|
| ORC-17.1 | Identifier            | NISTEHRFAC      | Presence-Content Indifferent |
| ORC-17.2 | Text                  | NISTEHRFacility | Presence-Content Indifferent |
| ORC-17.3 | Name of Coding System | HL70362         | Value-Profile Fixed          |

| Location   | Data Element                                       | Data  | Categorization               |
|------------|--|---|------------------------------|
| RXA-1      | Give Sub-ID Counter                                | 0   | Value-Profile Fixed          |
| RXA-2      | Administration Sub-ID Counter                      | 1   | Value-Profile Fixed          |
| RXA-3      | Date/Time Start of Administration                  |   |                              |
| RXA-3.1    | Time   | 20210107                                      | Presence-Content Indifferent |
| RXA-5      | Administered Code                                  |   |                              |
| RXA-5.1    | Identifier   | 59267-1000-02                                 | Value-Test Case Fixed List   |
| RXA-5.2    | Text   | Pfizer-BioNTech Covid-19 Vaccine              | Presence-Test Case Proper    |
| RXA-5.3    | Name of Coding System                              | NDC   | Value-Profile Fixed          |
| RXA-5.4    | Alternate Identifier                               | 208   | Value-Test Case Fixed        |
| RXA-5.5    | Alternate Text                                     | COVID-19, mRNA, LNP-S, PF, 30 mcg/0.3 mL dose | Presence-Test Case Proper    |
| RXA-5.6    | Name of Alternate Coding System                    | CVX   | Value-Profile Fixed          |
| RXA-6      | Administered Amount                                | 0.3   | Value-Test Case Fixed        |
| RXA-7      | Administered Units                                 |   |                              |
| RXA-7.1    | Identifier   | mL  | Value-Test Case Fixed        |
| RXA-7.2    | Text   | mL  | Presence-Test Case Proper    |
| RXA-7.3    | Name of Coding System                              | UCUM  | Value-Profile Fixed          |
| RXA-9      | Administration Notes                               |   |                              |
| RXA-9.1    | Identifier   | 00  | Value-Test Case Fixed        |
| RXA-9.2    | Text   | New Record                                    | Presence-Test Case Proper    |
| RXA-9.3    | Name of Coding System                              | NIP001  | Value-Profile Fixed          |
| RXA-10     | Administering Provider                             |   |                              |
| RXA-10.1   | ID Number  | 8247  | Presence-Content Indifferent |
| RXA-10.2   | Family Name  |   |                              |
| RXA-10.2.1 | Surname  | Rodgers                                       | Presence-Content Indifferent |
| RXA-10.3   | Given Name   | Macy  | Presence-Content Indifferent |
| RXA-10.4   | Second and Further Given Names or Initials Thereof | Jane  | Presence-Content Indifferent |
| RXA-10.9   | Assigning Authority                                |   |                              |
| RXA-10.9.1 | Namespace ID                                       | NIST-PI-1                                     | Presence-Content Indifferent |
| RXA-10.10  | Name Type Code                                     | L   | Value-Test Case Fixed        |
| RXA-10.13  | Identifier Type Code                               | PRN   | Value-Test Case Fixed List   |
| RXA-11     | Administered-at Location                           |   |                              |
| RXA-11.4   | Facility   |   |                              |
| RXA-11.4.1 | Namespace ID                                       | NIST-Clinic-E2                                | Presence-Content Indifferent |
| RXA-15     | Substance Lot Number                               | EL8982  | Presence-Content Indifferent |
| RXA-16     | Substance Expiration Date                          |   |                              |
| RXA-16.1   | Time   | 20210531                                      | Presence-Content Indifferent |
| RXA-17     | Substance Manufacturer Name                        |   |                              |
| RXA-17.1   | Identifier   | PFR   | Value-Test Case Fixed        |
| RXA-17.2   | Text   | Pfizer, Inc.                                  | Presence-Test Case Proper    |
| RXA-17.3   | Name of Coding System                              | MVX   | Value-Profile Fixed          |
| RXA-20     | Completion Status                                  | CP  | Value-Test Case Fixed        |
| RXA-21     | Action Code - RXA                                  | A   | Value-Test Case Fixed        |

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

|         |                       |               |                           |
|---------|-----------------------|---------------|---------------------------|
| RXR-1   | Route                 |               |                           |
| RXR-1.1 | Identifier            | C28161        | Value-Test Case Fixed     |
| RXR-1.2 | Text                  | Intramuscular | Presence-Test Case Proper |
| RXR-1.3 | Name of Coding System | NCIT          | Value-Profile Fixed       |
| RXR-2   | Administration Site   |               |                           |
| RXR-2.1 | Identifier            | LD            | Value-Test Case Fixed     |
| RXR-2.2 | Text                  | Left Deltoid  | Presence-Test Case Proper |
| RXR-2.3 | Name of Coding System | HL70163       | Value-Profile Fixed       |

#### OBX - 1

| Location | Data Element                 | Data                   | Categorization               |
|----------|------------------------------|------------------------|------------------------------|
| OBX-1    | Set ID - OBX                 | 1                      | Value-Profile Fixed          |
| OBX-2    | Value Type                   | CE                     | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |                        |                              |
| OBX-3.1  | Identifier                   | 30963-3                | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Vaccine Funding Source | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN                     | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 1                      | Presence-Test Case Proper    |
| OBX-5    | Observation Value            |                        |                              |
| OBX-5.1  | Identifier                   | VXC50                  | Value-Test Case Fixed        |
| OBX-5.2  | Text                         | Public                 | Presence-Test Case Proper    |
| OBX-5.3  | Name of Coding System        | CDCPHINVS              | Value-Profile Fixed          |
| OBX-11   | Observation Result Status    | F                      | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |                        |                              |
| OBX-14.1 | Time                         | 20210107               | Presence-Content Indifferent |

#### OBX - 2

| Location | Data Element                 | Data   | Categorization               |
|----------|------------------------------|--|------------------------------|
| OBX-1    | Set ID - OBX                 | 2  | Value-Profile Fixed          |
| OBX-2    | Value Type                   | CE   | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |  |                              |
| OBX-3.1  | Identifier                   | 64994-7  | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Vaccine Funding Program Eligibility            | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN   | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 2  | Presence-Test Case Proper    |
| OBX-5    | Observation Value            |  |                              |
| OBX-5.1  | Identifier                   | V01  | Value-Test Case Fixed        |
| OBX-5.2  | Text                         | Not VFC Eligible                               | Presence-Test Case Proper    |
| OBX-5.3  | Name of Coding System        | HL70064  | Value-Profile Fixed          |
| OBX-11   | Observation Result Status    | F  | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |  |                              |
| OBX-14.1 | Time                         | 20210107                                       | Presence-Content Indifferent |
| OBX-17   | Observation Method           |  |                              |
| OBX-17.1 | Identifier                   | VXC40  | Value-Test Case Fixed        |
| OBX-17.2 | Text                         | Eligibility captured at the immunization level | Presence-Test Case Proper    |
| OBX-17.3 | Name of Coding System        | CDCPHINVS                                      | Value-Profile Fixed          |

#### OBX - 3

| Location | Data Element           | Data | Categorization        |
|----------|------------------------|------|-----------------------|
| OBX-1    | Set ID - OBX           | 3    | Value-Profile Fixed   |
| OBX-2    | Value Type             | CE   | Value-Test Case Fixed |
| OBX-3    | Observation Identifier |      |                       |

|          |                              |   |                              |
|----------|------------------------------|---|------------------------------|
| OBX-3.1  | Identifier                   | 69764-9   | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Document Type   | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN  | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 3   | Presence-Test Case Proper    |
| OBX-5    | Observation Value            |   |                              |
| OBX-5.1  | Identifier                   | 253088698300033211210501  | Value-Test Case Fixed        |
| OBX-5.2  | Text                         | COVID-19 Pfizer BioNTech Vaccine EUA Recipient-Caregiver Fact Sheet | Presence-Test Case Proper    |
| OBX-5.3  | Name of Coding System        | cdcgslvis   | Value-Profile Fixed          |
| OBX-11   | Observation Result Status    | F   | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |   |                              |
| OBX-14.1 | Time                         | 20201201  | Presence-Content Indifferent |

#### OBX - 4

| Location | Data Element                 | Data   | Categorization               |
|----------|------------------------------|--|------------------------------|
| OBX-1    | Set ID - OBX                 | 4  | Value-Profile Fixed          |
| OBX-2    | Value Type                   | DT   | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |  |                              |
| OBX-3.1  | Identifier                   | 29769-7                                      | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | Date Vaccine Information Statement Presented | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN   | Value-Profile Fixed          |
| OBX-4    | Observation Sub-ID           | 3  | Presence-Test Case Proper    |
| OBX-5    | Observation Value            | 20210107                                     | Presence-Content Indifferent |
| OBX-11   | Observation Result Status    | F  | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |  |                              |
| OBX-14.1 | Time                         | 20210107                                     | Presence-Content Indifferent |

#### OBX - 5

| Location | Data Element                 | Data                  | Categorization               |
|----------|------------------------------|-----------------------|------------------------------|
| OBX-1    | Set ID - OBX                 | 5                     | Value-Profile Fixed          |
| OBX-2    | Value Type                   | ST                    | Value-Test Case Fixed        |
| OBX-3    | Observation Identifier       |                       |                              |
| OBX-3.1  | Identifier                   | 30973-2               | Value-Test Case Fixed        |
| OBX-3.2  | Text                         | dose number in series | Presence-Test Case Proper    |
| OBX-3.3  | Name of Coding System        | LN                    | Value-Test Case Fixed        |
| OBX-4    | Observation Sub-ID           | 4                     | Presence-Test Case Proper    |
| OBX-5    | Observation Value            | 1                     | Presence-Content Indifferent |
| OBX-11   | Observation Result Status    | F                     | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |                       |                              |
| OBX-14.1 | Time                         | 20210107              | Presence-Content Indifferent |

#### OBX - 6

| Location | Data Element           | Data                          | Categorization            |
|----------|------------------------|-------------------------------|---------------------------|
| OBX-1    | Set ID - OBX           | 6                             | Value-Profile Fixed       |
| OBX-2    | Value Type             | CE                            | Value-Test Case Fixed     |
| OBX-3    | Observation Identifier |                               |                           |
| OBX-3.1  | Identifier             | 59783-1                       | Value-Test Case Fixed     |
| OBX-3.2  | Text                   | Status in immunization series | Presence-Test Case Proper |
| OBX-3.3  | Name of Coding System  | LN                            | Value-Profile Fixed       |

|          |                              |          |                              |
|----------|------------------------------|----------|------------------------------|
| OBX-4    | Observation Sub-ID           | 4        | Value-Test Case Fixed        |
| OBX-5    | Observation Value            |          |                              |
| OBX-5.1  | Identifier                   | N        | Value-Test Case Fixed        |
| OBX-5.2  | Text                         | No       | Presence-Test Case Proper    |
| OBX-5.3  | Name of Coding System        | HL70136  | Value-Profile Fixed          |
| OBX-11   | Observation Result Status    | F        | Value-Profile Fixed          |
| OBX-14   | Date/Time of the Observation |          |                              |
| OBX-14.1 | Time                         | 20210107 | Presence-Content Indifferent |