

# North Dakota Immunization Information System (NDIIS)

## Supported Vaccine Codes

All successful HL7 2.5.1 release 1.4 messages must contain a valid CVX code. All successful HL7 2.5.1 release 1.5 messages must contain a valid NDC code for administered vaccines and CVX code for historical vaccines. Below is a table that displays the CVX codes currently supported in the NDIIS. Any unsupported CVX codes sent to the NDIIS will be ignored by the NDIIS messaging system and will not be added to the patient's NDIIS record. For a complete list of NDC codes associated with each supported CVX code, please refer to the [NDC Crosswalk Tables](#) on the IIS Code Sets web page maintained by the Centers for Disease Control and Prevention (CDC).

| <b><u>Vaccine Name</u></b> | <b><u>CVX Code</u></b> | <b><u>CPT Code</u></b> | <b><u>Notes</u></b>                           |
|----------------------------|------------------------|------------------------|---|
| Adenovirus (type 4)        | 54                     | 90476                  |   |
| Adenovirus (type 7)        | 55                     | 90477                  |   |
| Adenovirus (types 4,7)     | 143                    |                        |   |
| Adenovirus (unspecified)   | 82                     |                        | Used only when exact formulation is not known |
| Anthrax (PREP/PEP)         | 24                     | 90581                  |   |
| Anthrax adjuvanted (PEP)   | 318                    | 90581                  |   |
| Anthrax (unspecified)      | 319                    |                        | Used only when exact formulation is not known |
| BCG                        | 19                     | 90585   90728          |   |
| botulinum antitoxin        | 27                     | 90287                  |   |
| Chikungunya (live)         | 317                    | 90589                  |   |
| Chikungunya, recombinant   | 329                    | 90593                  |   |
| Cholera (live)             | 174                    | 90625                  |   |

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| Cholera (unspecified)                    | 26  | 90725         | Used only when exact formulation is not known |
| CMVIG                                    | 29  | 90291         |   |
| COVID Moderna <12                        | 311 | 91321         |   |
| COVID Moderna 12+                        | 312 | 91322         |   |
| COVID Novavax 12+                        | 313 | 91304         |   |
| COVID Pfizer <5                          | 308 | 91318         |   |
| COVID Pfizer 12+                         | 309 | 91320         |   |
| COVID Pfizer 5-11                        | 310 | 91319         |   |
| COVID-19 AstraZeneca                     | 210 | 91302         |   |
| COVID-19 Janssen                         | 212 | 91303         |   |
| COVID-19 Moderna (10 or 14 dose vial)    | 207 | 91301   91306 |   |
| COVID-19 Moderna (5 dose vial)           | 221 | 91309         |   |
| COVID-19 Moderna, under 6 years          | 228 | 91311         |   |
| COVID-19 Moderna, 6-11 years             | 227 |               |   |
| COVID-19 Moderna, bivalent 6 and older   | 229 | 91313   91314 |   |
| COVID-19 Moderna, bivalent under 6 years | 230 | 91316         |   |
| COVID-19 Novavax                         | 211 | 91304         |   |
| COVID-19 Pfizer, bivalent 12 and older   | 300 | 91312         |   |
| COVID-19 Pfizer, bivalent 5-11 years     | 301 | 91315         |   |
| COVID-19 Pfizer, bivalent under 5 years  | 302 | 91317         |   |
| COVID-19 Pfizer-PS, 12 years and older   | 208 | 91300         |   |

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|--|-----|-------|---|
| COVID-19 Pfizer-TRIS, under 5 years      | 219 | 91308 |   |
| COVID-19 Pfizer-TRIS, 5-11 years         | 218 | 91307 |   |
| COVID-19 Pfizer-TRIS, 12 years and older | 217 | 91305 |   |
| COVID19 (CONVIDECIA)                     | 506 |       | Used only for documenting vaccinations given outside the US |
| COVID19 (COVAXIN)                        | 502 |       | Used only for documenting vaccinations given outside the US |
| COVID19 (EpiVac non-US)                  | 509 |       | Used only for documenting vaccinations given outside the US |
| COVID19 (MOD biv non-US)                 | 519 |       | Used only for documenting vaccinations given outside the US |
| COVID19 (PFR biv non-US)                 | 520 |       | Used only for documenting vaccinations given outside the US |
| COVID-19 MDO-Covifenz (non-US)           | 512 |       | Used only for documenting vaccinations given outside the US |
| COVID19 (QAZCOVID non-US)                | 501 |       | Used only for documenting vaccinations given outside the US |
| COVID-19 Sinopharm (non-US)              | 510 |       | Used only for documenting vaccinations given outside the US |
| COVID-19 Sinovac (non-US)                | 511 |       | Used only for documenting vaccinations given outside the US |
| COVID19 (SputnikV non-US)                | 505 |       | Used only for documenting vaccinations given outside the US |
| COVID-19 (unspecified)                   | 213 |       | Used only when exact formulation is not known               |
| Dengue Fever                             | 56  | 90587 |   |
| diphtheria antitoxin                     | 12  | 90296 |   |
| DT (pediatric)                           | 28  | 90702 |   |
| DTaP                                     | 20  | 90700 |   |

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| DTaP, 5 pertussis antigens | 106 | 90700         |   |
| DTaP (unspecified)         | 107 |               | Used only when exact formulation is not known               |
| DTaP-Hep B-IPV             | 110 | 90723         |   |
| DTaP-Hib                   | 50  | 90721         |   |
| DTaP-Hib-IPV               | 120 | 90698         |   |
| DTaP-IPV                   | 130 | 90696         |   |
| DTaP/IPV/Hib/HBV           | 146 | 90697         |   |
| DTP                        | 01  | 90701         | Used only for documenting historical vaccinations           |
| DTP/Hib                    | 22  | 90720         | Used only for documenting historical vaccinations           |
| Ebola (live virus)         | 204 | 90758         |   |
| Ebola (unspecified)        | 214 |               | Used only when exact formulation is not known               |
| fractional IPV (non-US)    | 324 |               | Used only for documenting vaccinations given outside the US |
| H1N1 (inactivated P/F)     | 126 | 90666         | Used only for documenting historical vaccinations           |
| H1N1 (inactivated W/P)     | 127 | 90668         | Used only for documenting historical vaccinations           |
| H1N1 (live virus)          | 125 | 90664         | Used only for documenting historical vaccinations           |
| H1N1 (unspecified)         | 128 | 90470   90663 | Used only when exact formulation is not known               |
| HBIG                       | 30  | 90371         |   |
| Hep A, adult               | 52  | 90632         |   |
| Hep A, ped/adol (2 dose)   | 83  | 90633         |   |

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| Hep A (3 dose)                           | 84  | 90634         | Used only for documenting historical vaccinations |
| HAV (unspecified)                        | 85  | 90730         | Used only when exact formulation is not known     |
| Hep A-Hep B                              | 104 | 90636         |   |
| Hep B, adolescent or pediatric           | 08  | 90743   90744 |   |
| Hep B Adult                              | 43  | 90743   90746 |   |
| Hep B (dialysis)                         | 44  | 90740   90747 |   |
| Hep B (unspecified)                      | 45  | 90731         | Used only when exact formulation is not known     |
| Hep B (adjuvanted)                       | 189 | 90739         | Code for Heplisav®                                |
| Hep B (recombinant)                      | 220 | 90759         | Code for PREHEVBRIO®                              |
| HBVP/Hib                                 | 51  | 90748         |   |
| Hib (PRP-OMP)                            | 49  | 90647         | Code for PedvaxHIB®                               |
| Hib (PRP-T)                              | 48  | 90648         | Code for ACTHib® and HIBERIX®                     |
| Hib (HbOC)                               | 47  | 90645         |   |
| Hib (PRP-D)                              | 46  | 90646         |   |
| Hib (unspecified)                        | 17  | 90737         | Used only when exact formulation is not known     |
| HPV, bivalent                            | 118 | 90650         |   |
| HPV, quadrivalent                        | 62  | 90649         | Used only for documenting historical vaccinations |
| HPV, 9-valent                            | 165 | 90651         |   |
| HPV (unspecified)                        | 137 |               | Used only when exact formulation is not known     |
| IG                                       | 86  | 90281         |   |
| Influenza, trivalent, high dose seasonal | 135 | 90662         |   |

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|---|-----|---------------|---|
| Influenza, quadrivalent, high dose seasonal   | 197 | 90662         |   |
| Influenza, live, intranasal, trivalent (LAIV3)                                      | 111 | 90660         |   |
| Influenza, live, intranasal, quadrivalent (LAIV4)                                   | 149 | 90672         |   |
| Influenza, live, intranasal, unspecified  | 151 |               | Used only when exact formulation is not known |
| Influenza, seasonal, injectable, trivalent (IIV3 W/P)                               | 141 | 90657   90658 |   |
| Influenza, seasonal, injectable, trivalent, preservative free (IIV3 P/F)            | 140 | 90656         |   |
| Influenza, seasonal, intradermal, trivalent, preservative free (IIV3 id-P/F)        | 144 | 90654         |   |
| Influenza, seasonal, intradermal, quadrivalent, preservative free (IIV4 id-P/F)     | 166 | 90630         |   |
| Influenza, seasonal, injectable, quadrivalent, preservative free, adjuvanted        | 205 | 90694         |   |
| Influenza, seasonal, injectable, quadrivalent, preservative free (IIV4 P/F)         | 150 | 90686         |   |
| Influenza, seasonal, injectable, quadrivalent (IIV4 W/P)                            | 158 | 90687   90688 |   |
| Influenza, seasonal, injectable, MDCK, trivalent preservative free (ccIIV3)         | 153 | 90661         |   |
| Influenza, seasonal, injectable, MDCK, trivalent with preservative (ccIIV3 W/P)     | 320 | 90661         |   |
| Influenza, seasonal, injectable, MDCK, quadrivalent, preservative free (ccIIV4 P/F) | 171 | 90674         |   |
| Influenza, seasonal, injectable, MDCK, quadrivalent (ccIIV4 W/P)                    | 186 | 90756         |   |

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| Influenza, recombinant, injectable, trivalent, preservative free (RIV3)                | 155 | 90673 |   |
| Influenza, recombinant, injectable, quadrivalent, preservative free (RIV4)             | 185 | 90682 |   |
| Influenza, seasonal, injectable, quadrivalent, preservative free, pediatric (IIV4 P/F) | 161 | 90685 |   |
| Influenza, seasonal, injectable, trivalent, preservative free, adjuvanted (IIV3 P/F)   | 168 | 90653 |   |
| Influenza, southern hemisphere, injectable, quadrivalent, preservative free            | 201 |       | Used only for documenting vaccinations given outside the US |
| Influenza, southern hemisphere, injectable, quadrivalent, preservative free, pediatric | 200 |       | Used only for documenting vaccinations given outside the US |
| Influenza, southern hemisphere, injectable, quadrivalent, with preservative            | 202 |       | Used only for documenting vaccinations given outside the US |
| Influenza, southern hemisphere, injectable, quadrivalent, high dose                    | 231 |       | Used only for documenting vaccinations given outside the US |
| Influenza, whole cell  | 16  | 90659 | Used only for documenting historical vaccinations           |
| Influenza (unspecified)  | 88  | 90724 | Used only when exact formulation is not known               |
| H5N8 Avian Influenza, preservative free  | 321 |       |   |
| H5N8 Avian Influenza, with preservative  | 322 |       |   |
| H5 Avian Influenza (unspecified)   | 323 |       | Used only when exact formulation is not known               |
| IPV  | 10  | 90713 |   |
| Japanese Encephalitis IM   | 134 | 90738 |   |
| Japanese Encephalitis SC   | 39  | 90735 |   |
| Japanese Encephalitis (unspecified)  | 129 |       | Used only when exact formulation is not known               |

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|----------------------------------|-----|-------|---|
| LYME DISEASE                     | 66  | 90665 |   |
| Measles                          | 05  | 90705 | Used only for documenting historical vaccinations   |
| Meningococcal ABCWY              | 316 | 90623 | Penbraya ®  |
| Meningococcal MCV4O              | 136 | 90734 | MCV4 Menveo®  |
| Meningococcal MCV4P              | 114 | 90734 | MCV4 Menactra®  |
| Meningococcal MCV4               | 203 | 90619 | MCV4 MenQuadfi®   |
| Meningococcal MCV4 (unspecified) | 147 |       | Used only for historical doses of meningococcal conjugate vaccine where the exact formulation (oligosaccharide vs polysaccharide) is not known. It is not the same as CVX 108.            |
| MenACWY (unspecified)            | 108 |       | Used only for historical doses when one of the meningococcal vaccines containing serogroups A, C, W and Y (conjugate or polysaccharide) was given and the exact formulation is not known. |
| Meningococcal B, recombinant     | 162 | 90621 | Trumenba®   |
| Meningococcal B, OMV adjuvanted  | 163 | 90620 | Bexsero®  |
| Meningococcal B (unspecified)    | 164 |       | Used only when exact formulation is not known   |
| Meningococcal ABCWY              | 328 | 90624 | Penmenvay®  |
| MEN C/Y-HIB                      | 148 | 90644 | MenHibrix®  |
| Meningococcal C Conjugate        | 103 |       | Used only for documenting vaccinations given outside the US   |
| Meningococcal MPSV4              | 32  | 90733 | Used only for documenting historical vaccinations   |
| MMR                              | 03  | 90707 |   |
| MMRV                             | 94  | 90710 |   |



|                                       |     |       |   |
|---------------------------------------|-----|-------|---|
| MR                                    | 04  | 90708 | Used only for documenting historical vaccinations   |
| Mumps                                 | 07  | 90704 |   |
| OPV3 (US)                             | 02  |       | Used for document trivalent oral polio vaccine given in the US and outside of the US. Only oral polio vaccine presentation that satisfies the US polio vaccination schedule |
| OPV2 (non-US)                         | 178 |       | Used only for documenting vaccinations given outside the US   |
| OPV1 (non-US)                         | 179 |       | Used only for documenting vaccinations given outside the US   |
| OPV (unspecified)                     | 182 | 90712 | Used only for historical doses where oral polio vaccine was administered but the exact formulation is not known   |
| Plague                                | 23  | 90727 |   |
| Pneumococcal conjugate PCV7           | 100 | 60669 | Used only for documenting historical vaccinations   |
| Pneumococcal conjugate PCV10 (non-US) | 177 |       | Used only for documenting vaccinations given outside the US   |
| Pneumococcal conjugate PCV13          | 133 | 90670 |   |
| Pneumococcal conjugate PCV15          | 215 | 90671 |   |
| Pneumococcal conjugate PCV20          | 216 | 90677 |   |
| Pneumococcal conjugate PCV21          | 327 | 90684 |   |
| Pneumococcal conjugate (unspecified)  | 152 |       | Used only for historical doses where pneumococcal conjugate vaccine was administered but the exact formulation is not known   |
| Pneumococcal polysaccharide PPSV23    | 33  | 90732 |   |

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|--|-----|---------------|---|
| Pneumococcal (unspecified)                     | 109 |               | Used only for historical doses of pneumococcal vaccine where the exact formulation (conjugate vs polysaccharide) is not known |
| Polio (unspecified)                            | 89  |               | Used only for historical doses of polio vaccine where the exact formulation (IPV vs OPV) is not known                         |
| Rabies, intradermal injection                  | 40  | 90676         |   |
| Rabies, intramuscular injection – RETIRED CODE | 18  |               | CVX code 175 or 176 should be used in place of this retired code  |
| Rabies, IG                                     | 34  | 90375   90376 |   |
| Rabies – IM Diploid cell culture               | 175 | 90675         | Imovax®   |
| Rabies, intramuscular injection                | 176 | 90675         | Rabavert®   |
| Rabies (unspecified)                           | 90  | 90726         | Used only when exact formulation is not known   |
| Rotavirus, monovalent (2 dose)                 | 119 | 90681         |   |
| Rotavirus, pentavalent (3 dose)                | 116 | 90680         |   |
| Rotavirus (Rotashield)                         | 74  |               | Used only for documenting historical vaccinations   |
| Rotavirus (unspecified)                        | 122 |               | Used only when exact formulation is not known   |
| RSV vaccine Abrysvo                            | 305 | 90678         |   |
| RSV vaccine Arexvy                             | 303 | 90679         |   |
| RSV mRNA vaccine                               | 326 | 90683         | MRESVIA®  |
| RSV Vaccine (unspecified)                      | 314 |               | Used only when exact vaccine formulation is not known   |
| RSV monoclonal antibody 0.5 mL (nirsevimab)    | 306 | 90380         | Beyfortus 0.5 mL®   |
| RSV monoclonal antibody 1.0 mL (nirsevimab)    | 307 | 90381         | Beyfortus 1.0 mL®   |

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|---|-----|-------|--|
| RSV monoclonal antibody 0.7mL             | 332 | 90382 | Clesrovimab 0.7 mL®  |
| RSV monoclonal antibody unspecified       | 315 |       | Used only when exact mAB formulation is not known            |
| RSV (unspecified)                         | 304 |       | Used when it is not known if vaccine or mAB was administered |
| Rubella                                   | 06  | 90706 | Used only for documenting historical vaccinations            |
| Rubella/Mumps                             | 38  |       | Used only for documenting historical vaccinations            |
| Tick-borne Encephalitis (adult)           | 224 | 90627 |  |
| Tick-borne Encephalitis (non-US)          | 77  |       | Used only for documenting vaccinations given outside the US  |
| Tick-borne Encephalitis (pediatric)       | 223 | 90626 |  |
| Tick-borne Encephalitis (unspecified)     | 222 |       | Used only when exact formulation is not known                |
| Td (adult)                                | 138 |       |  |
| Td-5 (adult), adsorbed, preservative free | 113 | 90714 |  |
| Td-2 (adult), adsorbed, preservative free | 09  | 90714 |  |
| Td preservative free (unspecified)        | 196 |       | Used only when exact formulation is not known                |
| Td (unspecified)                          | 139 |       | Used only when exact formulation is not known                |
| Tdap                                      | 115 | 90715 |  |
| tetanus toxoid, adsorbed                  | 35  | 90703 |  |
| tetanus toxoid, not adsorbed              | 142 |       |  |
| tetanus toxoid (unspecified)              | 112 |       | Used only when exact formulation is not known                |
| Tetanus, IG                               | 13  | 90389 |  |
| Typhoid, oral                             | 25  | 90690 |  |

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| Typhoid, parenteral                      | 41  | 90692 |  |
| Typhoid, parenteral, AKD (U.S. military) | 53  | 90693 |  |
| Typhoid (unspecified)                    | 91  |       | Used only when exact formulation is not known                |
| Typhoid, ViCPs                           | 101 | 90691 |  |
| Vaccinia (smallpox)                      | 75  | 90622 |  |
| Vaccinia (smallpox/mpox)                 | 206 | 90611 | Code for JYNNEOS®  |
| Varicella (chickenpox)                   | 21  | 90716 |  |
| VZIG                                     | 36  | 90396 |  |
| Yellow Fever (US)                        | 37  | 90717 |  |
| Yellow Fever (alternative)               | 183 | 90717 |  |
| Yellow Fever (unspecified)               | 184 |       | Used only when exact formulation is not known                |
| Zoster, live                             | 121 | 90736 | Zostavax®, used only for documenting historical vaccinations |
| Zoster, subunit, adjuvanted              | 187 | 90750 | Shingrix®  |
| Zoster (unspecified)                     | 188 |       | Used only when exact formulation is not known                |