

**Health Level Seven (HL7) Standard Code Set  
CVX – Vaccines Administered**

Maintained by the Centers for Disease Control and Prevention (CDC)  
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The CDC's National Center of Immunization and Respiratory Diseases (NCIRD) maintains the HL7 external code set CVX. The implementation of the HL7 standard for immunization data exchange is described in Chapter 4 of the HL7 standard. The codes in HL7 Version 2.3 table 0292, represented the initial content of the external CVX code set. Since vaccines have to be added to this table more quickly than new versions of HL7 are released, this document represents the most up-to-date version of the CVX code set. Items have been added. Others have been added for planning purposes, pending FDA approval.

**CVX – Vaccines Administered**

| <b>Code</b> | <b>Short Description</b>                | <b>Full Vaccine Name</b>   |
|-------------|---|--|
| 54          | adenovirus, type 4                      | adenovirus vaccine, type 4, live, oral   |
| 55          | adenovirus, type 7                      | adenovirus vaccine, type 7, live, oral   |
| 82          | adenovirus, NOS <sup>1</sup>            | adenovirus vaccine, NOS  |
| 24          | anthrax                                 | anthrax vaccine  |
| 19          | BCG                                     | Bacillus Calmette-Guerin vaccine   |
| 27          | botulinum antitoxin                     | botulinum antitoxin  |
| 26          | cholera                                 | cholera vaccine  |
| 29          | CMVIG                                   | cytomegalovirus immune globulin, intravenous   |
| 56          | dengue fever                            | dengue fever vaccine   |
| 12          | diphtheria antitoxin                    | diphtheria antitoxin   |
| 28          | DT (pediatric)                          | diphtheria and tetanus toxoids, adsorbed for pediatric use   |
| 20          | DTaP                                    | diphtheria, tetanus toxoids and acellular pertussis vaccine  |
| 106         | DTaP, 5 pertussis antigens <sup>6</sup> | diphtheria, tetanus toxoids and acellular pertussis vaccine, 5 pertussis antigens  |
| 107         | DTaP, NOS                               | diphtheria, tetanus toxoids and acellular pertussis vaccine, NOS   |
| 110         | DTaP-Hep B-IPV                          | DTaP-hepatitis B and poliovirus vaccine  |
| 50          | DTaP-Hib                                | DTaP- <i>Haemophilus influenzae</i> type b conjugate vaccine   |
| 120         | DTaP-Hib-IPV                            | diphtheria, tetanus toxoids and acellular pertussis vaccine, <i>Haemophilus influenzae</i> type b conjugate, and poliovirus vaccine (DTaP-Hib-IPV) |
| 130         | DTaP-IPV                                | Diphtheria, tetanus toxoids and acellular pertussis vaccine, and poliovirus vaccine, inactivated   |
| 01          | DTP                                     | diphtheria, tetanus toxoids and pertussis vaccine  |
| 22          | DTP-Hib                                 | DTP- <i>Haemophilus influenzae</i> type b conjugate vaccine  |

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|-----|---|---|
| 102 | DTP-Hib-Hep B                                     | DTP- <i>Haemophilus influenzae</i> type b conjugate and hepatitis b vaccine |
| 57  | hantavirus  | hantavirus vaccine  |
| 52  | Hep A, adult                                      | hepatitis A vaccine, adult dosage   |
| 83  | Hep A, ped/adol, 2 dose                           | hepatitis A vaccine, pediatric/adolescent dosage, 2 dose schedule           |
| 84  | Hep A, ped/adol, 3 dose                           | hepatitis A vaccine, pediatric/adolescent dosage, 3 dose schedule           |
| 31  | Hep A, pediatric, NOS                             | hepatitis A vaccine, pediatric dosage, NOS                                  |
| 85  | Hep A, NOS  | hepatitis A vaccine, NOS  |
| 104 | Hep A-Hep B                                       | hepatitis A and hepatitis B vaccine   |
| 30  | HBIG  | hepatitis B immune globulin   |
| 08  | Hep B, adolescent or pediatric                    | hepatitis B vaccine, pediatric or pediatric/adolescent dosage               |
| 42  | Hep B, adolescent/high risk infant <sup>2</sup>   | hepatitis B, adolescent/high risk infant dosage                             |
| 43  | Hep B, adult <sup>4</sup>                         | hepatitis B vaccine, adult dosage   |
| 44  | Hep B, dialysis                                   | hepatitis B vaccine, dialysis patient dosage                                |
| 45  | Hep B, NOS  | hepatitis B vaccine, NOS  |
| 58  | Hep C   | hepatitis C vaccine   |
| 59  | Hep E   | hepatitis E vaccine   |
| 60  | herpes simplex 2                                  | herpes simplex virus, type 2 vaccine  |
| 46  | Hib (PRP-D)                                       | <i>Haemophilus influenzae</i> type b vaccine, PRP-D conjugate               |
| 47  | Hib (HbOC)  | <i>Haemophilus influenzae</i> type b vaccine, HbOC conjugate                |
| 48  | Hib (PRP-T)                                       | <i>Haemophilus influenzae</i> type b vaccine, PRP-T conjugate               |
| 49  | Hib (PRP-OMP)                                     | <i>Haemophilus influenzae</i> type b vaccine, PRP-OMP conjugate             |
| 17  | Hib, NOS  | <i>Haemophilus influenzae</i> type b vaccine, conjugate NOS                 |
| 51  | Hib-Hep B   | <i>Haemophilus influenzae</i> type b conjugate and Hepatitis B vaccine      |
| 61  | HIV   | human immunodeficiency virus vaccine  |
| 118 | HPV, bivalent                                     | human papilloma virus vaccine, bivalent                                     |
| 62  | HPV, quadrivalent                                 | human papilloma virus vaccine, quadrivalent                                 |
| 86  | IG  | immune globulin, intramuscular  |
| 87  | IGIV  | immune globulin, intravenous  |
| 14  | IG, NOS   | immune globulin, NOS  |
| 111 | influenza, live, intranasal                       | influenza virus vaccine, live, attenuated, for intranasal use               |
| 15  | influenza, split (incl. purified surface antigen) | influenza virus vaccine, split virus (incl. purified surface antigen)       |
| 16  | influenza, whole                                  | influenza virus vaccine, whole virus  |
| 88  | influenza, NOS                                    | influenza virus vaccine, NOS  |
| 123 | influenza, H5N1-1203                              | influenza virus vaccine, H5N1, A/Vietnam/1203/2004 (national stockpile)     |

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|-----|--|--|
| 10  | IPV  | poliovirus vaccine, inactivated  |
| 02  | OPV  | poliovirus vaccine, live, oral   |
| 89  | polio, NOS                                     | poliovirus vaccine, NOS  |
| 39  | Japanese encephalitis                          | Japanese encephalitis vaccine  |
| 63  | Junin virus                                    | Junin virus vaccine  |
| 64  | leishmaniasis                                  | leishmaniasis vaccine  |
| 65  | Leprosy  | leprosy vaccine  |
| 66  | Lyme disease                                   | Lyme disease vaccine   |
| 03  | MMR  | measles, mumps and rubella virus vaccine   |
| 04  | M/R  | measles and rubella virus vaccine  |
| 94  | MMRV   | measles, mumps, rubella, and varicella virus vaccine   |
| 67  | malaria  | malaria vaccine  |
| 05  | measles  | measles virus vaccine  |
| 68  | melanoma                                       | melanoma vaccine   |
| 32  | meningococcal                                  | meningococcal polysaccharide vaccine (MPSV4)   |
| 103 | meningococcal C conjugate                      | meningococcal C conjugate vaccine  |
| 114 | meningococcal A,C,Y,W-135 diphtheria conjugate | meningococcal polysaccharide (groups A, C, Y and W-135) diphtheria toxoid conjugate vaccine (MCV4) |
| 108 | meningococcal, NOS                             | meningococcal vaccine, NOS   |
| 07  | mumps  | mumps virus vaccine  |
| 69  | parainfluenza-3                                | parainfluenza-3 virus vaccine  |
| 11  | pertussis                                      | pertussis vaccine  |
| 23  | plague   | plague vaccine   |
| 33  | pneumococcal                                   | pneumococcal polysaccharide vaccine  |
| 100 | pneumococcal conjugate                         | pneumococcal conjugate vaccine, polyvalent   |
| 109 | pneumococcal, NOS                              | pneumococcal vaccine, NOS  |
| 70  | Q fever  | Q fever vaccine  |
| 18  | rabies, intramuscular injection                | rabies vaccine, for intramuscular injection  |
| 40  | rabies, intradermal injection                  | rabies vaccine, for intradermal injection  |
| 90  | rabies, NOS                                    | rabies vaccine, NOS  |
| 72  | rheumatic fever                                | rheumatic fever vaccine  |
| 73  | Rift Valley fever                              | Rift Valley fever vaccine  |
| 34  | RIG  | rabies immune globulin   |
| 119 | rotavirus, monovalent                          | rotavirus, live, monovalent vaccine  |
| 122 | rotavirus, NOS <sup>1</sup>                    | rotavirus vaccine, NOS   |
| 116 | rotavirus, pentavalent                         | rotavirus, live, pentavalent vaccine   |
| 74  | rotavirus, tetravalent                         | rotavirus, live, tetravalent vaccine   |
| 71  | RSV-IGIV                                       | respiratory syncytial virus immune globulin, intravenous   |
| 93  | RSV-MAb  | respiratory syncytial virus monoclonal antibody (palivizumab), intramuscular                       |
| 06  | rubella  | rubella virus vaccine  |
| 38  | rubella/mumps                                  | rubella and mumps virus vaccine  |
| 76  | Staphylococcus bacterio lysate                 | Staphylococcus bacteriophage lysate  |
| 113 | Td (adult)                                     | tetanus and diphtheria toxoids, adsorbed, preservative free, for adult use                         |

|     |  |  |
|-----|--|--|
| 09  | Td (adult)                               | tetanus and diphtheria toxoids, adsorbed for adult use                               |
| 115 | Tdap                                     | tetanus toxoid, reduced diphtheria toxoid, and acellular pertussis vaccine, adsorbed |
| 35  | tetanus toxoid                           | tetanus toxoid, adsorbed   |
| 112 | tetanus toxoid, NOS                      | tetanus toxoid, NOS  |
| 77  | tick-borne encephalitis                  | tick-borne encephalitis vaccine  |
| 13  | TIG                                      | tetanus immune globulin  |
| 95  | TST-OT tine test                         | tuberculin skin test, old tuberculin, multipuncture device                           |
| 96  | TST-PPD intradermal                      | tuberculin skin test, purified protein derivative, intradermal                       |
| 97  | TST-PPD tine test                        | tuberculin skin test, purified protein derivative, multipuncture device              |
| 98  | TST, NOS                                 | tuberculin skin test, NOS  |
| 78  | tularemia vaccine                        | tularemia vaccine  |
| 91  | typhoid, NOS                             | typhoid vaccine, NOS   |
| 25  | typhoid, oral                            | typhoid vaccine, live, oral  |
| 41  | typhoid, parenteral                      | typhoid vaccine, parenteral, other than acetone-killed, dried                        |
| 53  | typhoid, parenteral, AKD (U.S. military) | typhoid vaccine, parenteral, acetone-killed, dried (U.S. military)                   |
| 101 | typhoid, ViCPs                           | typhoid Vi capsular polysaccharide vaccine   |
| 75  | vaccinia (smallpox)                      | vaccinia (smallpox) vaccine  |
| 105 | vaccinia (smallpox) diluted              | vaccinia (smallpox) vaccine, diluted   |
| 79  | vaccinia immune globulin                 | vaccinia immune globulin   |
| 21  | varicella                                | varicella virus vaccine  |
| 81  | VEE, inactivated                         | Venezuelan equine encephalitis, inactivated  |
| 80  | VEE, live                                | Venezuelan equine encephalitis, live, attenuated                                     |
| 92  | VEE, NOS                                 | Venezuelan equine encephalitis vaccine, NOS  |
| 36  | VZIG                                     | varicella zoster immune globulin   |
| 117 | VZIG (IND)                               | varicella zoster immune globulin (Investigational New Drug)                          |
| 37  | yellow fever                             | yellow fever vaccine   |
| 121 | zoster                                   | zoster vaccine, live   |
| 998 | no vaccine administered <sup>5</sup>     | no vaccine administered  |
| 999 | unknown                                  | unknown vaccine or immune globulin   |
| 99  | RESERVED – do not use <sup>3</sup>       | RESERVED – do not use  |

Usage Notes:

1. NOS=not otherwise specified; avoid using NOS codes except to record historical records that lack the indicated specificity.
2. As of August 27, 1998, Merck ceased distribution of their adolescent/high risk infant hepatitis B vaccine dosage. Code 42 should only be used to record historical records. For current administration of hepatitis B vaccine, pediatric/adolescent dosage, use code 08.
3. Code 99 will not be used in this table to avoid confusion with code 999.
4. As of September 1999, a 2-dose hepatitis B schedule for adolescents (11-15 year olds) was FDA approved for Merck's Recombivax HB® adult formulation. Use code 43 for both the 2-dose and the 3-dose schedules.
5. Code 998 was added for use in VXR and VXU HL7 messages where the OBX segment is nested with the RXA segment, but the message does not contain information about a vaccine administration. An example of this use is to report the vaccines due next for a patient when no vaccine administration is being reported.
6. As of May 2002, the FDA approved Aventis Pasteur's DTaP Daptacel for use in the U.S. Aventis Pasteur also manufactures the DTaP vaccine Tripedia. Daptacel contains 5 pertussis antigens, while Tripedia contains 2 pertussis antigens. To distinguish between the two Aventis Pasteur DTaP vaccines, dose 106 was added to represent Daptacel. Use code 106 for Daptacel and code 20 for Tripedia and other DTaP vaccines

**For further information on HL7 immunization data exchange and the CVX code set, contact the [IIS Technical Assistance Team](#) at:**

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Other relevant web sites: [Current Procedural Terminology \(CPT\) Codes Mapped to CVX Codes](#)

[IIS: HL7 Standard Code Set MVX - Manufacturers of Vaccines](#)