

**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

Code	Short Description	Full Vaccine Name
54	adenovirus, type 4	adenovirus vaccine, type 4, live, oral
55	adenovirus, type 7	adenovirus vaccine, type 7, live, oral
82	adenovirus, NOS ¹	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 ⁶	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
132	DTaP-IPV-HIB-HEP B, historical	Historical record of vaccine containing <ul style="list-style-type: none"> • diphtheria, tetanus toxoids and acellular pertussis, • poliovirus, inactivated, • <i>Haemophilus influenzae</i> type b conjugate, • Hepatitis B (DTaP-Hib-IPV)

01	DTP	diphtheria, tetanus toxoids and pertussis vaccine
22	DTP-Hib	DTP- <i>Haemophilus influenzae</i> type b conjugate vaccine
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 ²	hepatitis B, adolescent/high risk infant dosage
43	Hep B, adult ⁴	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) ⁷	<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 ⁸
123	Influenza, 1203	Influenza vaccine, H5N1, A/Vietnam/1203/2004 (national stockpile)

125	Novel Influenza-H1N1-09, nasal	Novel Influenza-H1N1-09, live virus for nasal administration
126	Novel influenza-H1N1-09, preservative-free	Novel influenza-H1N1-09, preservative-free, injectable
127	Novel influenza-H1N1-09	Novel influenza-H1N1-09, injectable
128 ⁹	Novel influenza-H1N1-09, all formulations	Novel influenza-H1N1-09, all formulations
10	IPV	poliovirus vaccine, inactivated
02	OPV	poliovirus vaccine, live, oral
89	polio, NOS	poliovirus vaccine, NOS
39	Japanese Encephalitis SC	Japanese encephalitis vaccine SC
134	Japanese Encephalitis-IM	Japanese Encephalitis vaccine for intramuscular administration. US approval 2009.
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, PCV-7	pneumococcal conjugate vaccine, 7 valent
133	Pneumococcal, PCV-13	pneumococcal conjugate vaccine, 13 valent
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 ¹	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
131	Typhus, historical	Historical record of a typhus vaccination
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 ⁵	no vaccine administered
999	unknown	unknown vaccine or immune globulin
99	RESERVED – do not use ³	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
7. GlaxoSmithKline has submitted a new HIB vaccine to FDA for approval. This vaccine is similar to a previous vaccine distributed by GSK (OmniHIB). Both are HIB PRP-T formulations. Both share the CVX code of 48.
8. This code shall not be used for Novel Influenza H1N1-09. It is reserved for normal seasonal influenza.
9. This code is used whenever the actual formulation is not determined or when aggregating all Novel H1N1 Influenza-09 immunizations for reporting to CRA. It should not be used for seasonal influenza vaccine that is not otherwise specified. (NOS)

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](#)

This document can be found on the cdc website at:
<http://www.cdc.gov/vaccines/programs/iis/stds/downloads/hl7-cvx.pdf>