

**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 Immunization Program (NIP) maintains the HL7 external code set CVX. The implementation of the HL7 standard for immunization data exchange is described in Chapter 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.

CVX – Vaccines Administered  
(parenteral, unless otherwise specified)

<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
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 <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
62	HPV	human papilloma virus vaccine
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
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
103	meningococcal C conjugate	meningococcal C conjugate vaccine
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
74	rotavirus	rotavirus vaccine, tetravalent, live, oral
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
09	Td (adult)	tetanus and diphtheria toxoids, adsorbed for adult use
35	tetanus toxoid	tetanus toxoid, adsorbed
77	tick-borne encephalitis	tick-borne encephalitis vaccine
112	tetanus toxoid, NOS	tetanus toxoid, NOS
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
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
91	typhoid, NOS	typhoid vaccine, NOS
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
37	yellow fever	yellow fever vaccine
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 Ron Van Duyne, Public Health Analyst at:

Address: CDC, National Immunization Program  
Immunization Registry Support Branch – Informatics  
1600 Clifton Road  
Mailstop E-62  
Atlanta, GA 30333

Phone: (404) 639-8962

E-mail: [rvanduyne@cdc.gov](mailto:rvanduyne@cdc.gov)

Web site: <http://www.cdc.gov/nip/registry/hl7/hl7-cvx.htm>