

# **Maryland ImmuNet System**

## *CSV File Transfer Specification*

### **Version 1.3**

Last Updated: November 24, 2020

Application Version: 13.4.0

## Change History

Published / Revised Date	Version #	Author	Section / Nature of Change
9/24/2019	1.0	DXC	Draft for Initial IMMUNET Implementation
10/18/2019	1.0	DXC	Initial ImmuNet Implementation
2/4/2020	1.1	DXC	Add CSV Auto Data Exchange information
3/6/2020	1.1	DXC	Added CVX code 196 to associate CPT 90714 the new vaccine updated BCG vaccine group and added trade name MYCOBAX and TICE BCG, reformatted the Vaccines Table
9/21/2020	1.2	DXC	Added new CVX code 194, 197, 200, 201, 202, 205 fro Flu vaccines. Added new Trade Names for Flu vaccines: <ul style="list-style-type: none"> <li>• Afluria Quad, 6-36mo</li> <li>• Fluzone Quad HighDose PF</li> <li>• Fluzone S Hemi Quad</li> <li>• Fluzone S Hemo Quad PF</li> <li>• Fluzone S Hemi Quad P PF</li> </ul>
11/24/2020	1.3	GWT	Added new Vaccine Group COVID-19 Added new Trade Names: <ul style="list-style-type: none"> <li>• Moderna COVID-19 Vaccine, CVX 207, CPT 91301</li> <li>• Pfizer COVID-19 Vaccine, CVX 208, CPT 91300</li> </ul>

## Introduction

Immunization data is passed to the central registry using three Custom CSV (Comma Separated Values) files containing patient, immunization, and comment information (optional) respectively. The files will be linked via a 24-character max Record Identifier supplied by the provider of the file. This identifier will uniquely identify each patient and will appear in each immunization and comment (optional) record to link the immunization and comment (optional) to the client. Date fields will be in this format MMDDYYYY and must have leading zeroes. If a site is unable to supply any information for a specified field, the entire field can be left blank.

Two types of Custom CSV files can be loaded to ImmuNet via the Custom CSV File Format: .txt files and .csv files.

Below are the fields to include in each of the files.

For instructions on how to do a data exchange with IMMUNET please reference Chapter 13 of the User Manual.

## CSV Auto Data Exchange

Auto Data Exchange is an automatic process in which CSV files are picked up automatically from the FTP Server and then processed in the Production APP Servers at 12:30 am ET.

Files must be in the approved naming convention or they may not process. If files are zipped, the .zip file itself does not requirement a specific naming convention, but all files inside must be appropriately names as mentioned below.

All auto DX jobs will process the same, be visible in the UI, and receive the same response files as DX job submitted through Batch, Load Date File, or Real Time/Web Services.

The CSV files must have one of the 3 naming convention as defined below or they will not be processes:

**Client file:**

- Option 1: <OrgId>\_CLIENT\_<Date>\_<Counter>.csv (i.e. 612518\_CLIENT\_02012020\_001.csv)
- Option 2: <OrgId>\_CLIENTS\_<Date>\_<Counter>.csv (i.e. 612518\_CLIENTs\_02012020\_01.csv)
- Option 3: <OrgId>\_CL\_<Date>\_<Counter >.csv (i.e. 612518\_CL\_02012020\_1.csv)

**Immunization File:**

- Option 1: <OrgId>\_IMMUNIZATION\_<Date>\_<Counter>.csv (i.e. 612518\_IMMUNIZATION\_02012020\_001.csv)
- Option 2: <OrgId>\_IMMUNIZATIONS\_<Date>\_<Counter>.csv (i.e. 612518\_IMMUNIZATIONS\_02012020\_01.csv)
- Option 3: <OrgId>\_IMM\_<Date>\_<Counter>.csv (i.e. 612518\_IMM\_02012020\_1.csv)

**Comment file:**

- Option 1: <OrgId>\_COMMENT\_<Date>\_<Counter>.csv (i.e. 612518\_COMMENT\_02012020\_001.csv)
- Option 2: <OrgId>\_COMMENTS\_<Date>\_<Counter>.csv (i.e. 612518\_COMMENTS\_02012020\_01.csv)
- Option 3: <OrgId>\_CM\_<Date>\_<Counter>.csv (i.e. 612518\_COM\_02012020\_1.csv)

The <Date> format shall be MMDDYYYY. The <Counter> is a file counter in a **numeric** format to account for multiple files being submitted on the same day and can be determined by the client.

**Patient Data**

When creating a custom layout please select as many of the listed elements as possible.

\* Required Field that must be submitted for Maryland ImmuNet to process the file.

\*\* Strongly recommended for Maryland ImmuNet, to aid in deduplication logic.

+ At least one of these fields must be submitted for Maryland ImmuNet to process the file.

**Note: All files must start with an Unused/Ignore Field.**

Column	Data type	Max Char.	Default	Notes
*Record Identifier	Char	24		Supplied by sender, used to link a Patient to Immunization records. <i>*NOTE – Do not precede with 0s (zeros).</i>
Patient Status	Char	1		Use the IMMUNET code set for Patient Status.
*First Name	Char	25		The special characters `!(){}[]? “ ‘ _ will cause the first name to be rejected, resulting in the entire message being rejected.
**Middle Name	Char	25		The special characters `!(){}[]? “ ‘ _ will cause an informational error and the middle name to not be saved(blank in the patient UI). Processing of the message will continue.
*Last Name	Char	35		The special characters `!(){}[]? “ ‘ _ will cause the last name to be rejected, resulting in the entire message being rejected.
Name Suffix	Char	10		JR, III, etc.
*Birth Date	Date	8		MMDDYYYY
Death Date	Date	8		MMDDYYYY
**Mothers First Name	Char	25		The special characters `!(){}[]? “ ‘ _ will cause an informational error and the middle name to not be saved(blank in the patient UI). Processing of the message will continue.

Column	Data type	Max Char.	Default	Notes
**Mothers Maiden Last Name	Char	35		The special characters `!(){}[]?""_ will cause an informational error and the middle name to not be saved(blank in the patient UI). Processing of the message will continue.
**Sex (Gender)	Char	1		Use the IMMUNET code set for Sex (Gender).
Race	Char	1		Use the IMMUNET code set for Race.
Ethnicity	Char	2		Use the IMMUNET code set for Ethnicity.
Contact Allowed	Char	2		Controls whether notices are sent. Use the IMMUNET code set for Contact. If <null> default to 02.
Consent to Share	Char	1		Use Y or <null>  <i>Note: If a client 19 years of age or older has signed and submitted the ImmuNet Opt Out form, enter a 'N' in this field to reject the client and related immunization records from being loaded via data exchange.</i>
Patient ID	Char	20		Identifier within the sending organization's system
Responsible Party First Name	Char	25		The special characters `!(){}[]?""_ will cause an informational error and the middle name to not be saved(blank in the patient UI). Processing of the message will continue.
Responsible Party Middle Name	Char	25		The special characters `!(){}[]?""_ will cause an informational error and the middle name to not be saved(blank in the patient UI). Processing of the message will continue.
Responsible Party Last Name	Char	35		The special characters `!(){}[]?""_ will cause an informational error and the middle name to not be saved(blank in the patient UI). Processing of the message will continue.
Responsible Party Relationship	Char	2		Use the IMMUNET code set for Relationship.
Street Address	Char	55		
PO Box Route Line	Char	55		
Other Address Line	Char	55		
City	Char	52		
State	Char	2		
Zip	Char	9		If +4 zip is used, the first 5 characters and second 4 characters are concatenated into a single value, without separators.
County	Char	5		Use the IMMUNET code set for County.
Phone	Char	17		Format as digits only starting with the area code, ex. 6081234567.

*Sending Organization	Char	10		<p>This is ID of the provider organization that owns this client and corresponding immunization records. Contact the IMMUNET Help Desk for the appropriate organization ID.</p> <p>* This field is optional if an organization is sending all of its own records. This field is required if an organization other than the organization that owns the record(s) is transmitting this file.</p>
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## Immunization Data

Column	Data type	Max Char.	Default	Notes
*Record Identifier	Char	24		Supplied by sender, used to link Immunizations to a Patients record. <i>*NOTE – Do not precede with 0s (zeros).</i>
+Vaccine Group	Char	16		Use the IMMUNET code set for Vaccine Codes.
+CPT Code	Char	5		<i>*Either Vaccine Group or CPT Code is required.</i>
+Trade Name	Char	24		Use the IMMUNET code set for Vaccine Codes.
+ CVX Code	Char	3		Use the IMMUNET code set for Vaccine Codes.
+NDC Code	Char	13		Use the IMMUNET code set for Vaccine Codes.
*Vaccination Date	Date	8		MMDDYYYY
Administration Route Code	Char	2		Use the IMMUNET code set for Administration Route.
Body Site Code	Char	4		Use the IMMUNET code set for Body Site.
Reaction Code	Char	8		Use the IMMUNET code set for Reaction.
**Manufacturer Code	Char	4		Use the IMMUNET code set for Manufacturers.
Immunization Information Source	Char	2		Indicates whether this immunization was administered by your organization or the immunization information is historical from client record. Use 00 for an immunization which was administered by the sending organization. For Historical Doses, please use values 01 through 08. Use the IMMUNET code set for Immunization Information Source.
**Lot Number	Char	30		Converted records will be stored in IMMUNET as historical records, so the Lot Number will not correspond to inventory tracked in IMMUNET, but Lot Number can still be stored as historical information.
Provider Name	Char	50		The historical provider name.
Administered By Name	Char	50		The name of the person who administered the vaccination.
*Sending Organization	Char	10		<p>This is ID of the provider organization that owns this patient and corresponding immunization records. Contact the IMMUNET Help Desk for the appropriate organization ID.</p> <p>* This field is optional if an organization is sending all of its own records. This field is required if an organization other than the organization that owns the record(s) is transmitting this file.</p>

**Financial Class (VFC Eligibility Status)	Char	3		Populate with appropriate HL7 table 0064 values – Valid Values V01 (Not VFC eligible), V02 (VFC Eligible – Medicaid (including Healthy Kids)), V03 (VFC Eligible – Uninsured), V04 (VFC Eligible – American Indian /Alaskan Native) and V05 (VFC Eligible – Underinsured (FQHC & LHD only)).
Vaccine Purchased With (Funding Type)	Char	3		Populate with appropriate value from HL7 table NIP008 – Valid values PVF (private fund) or PBF (public funds)

### Comment Code (Optional File – Not Required)

Column	Data type	Max Char.	Default	Notes
*Record Identifier	Char	32		Supplied by sender, used to link Comments to a Patients record. This field is required if a comment code is being sent. <i>*NOTE – Do not precede with 0s (zeros).</i>
*Comment Code	Char	6		Use the IMMUNET code set for Comments.
Applies to Date	Date	8		The date to which the comment applies. MMDDYYYY

#### Notes on Refusals:

- The IMMUNET system will write out multiple refusals for the same vaccine on different dates for those clients who have them.
- The IMMUNET system will accept incoming refusals of the same vaccine on different dates and file them both. However, if they both have the same applies-to date, then only one will be stored.
- The sending organization in the patient file will become the refusal owner. In general, only the organization who owns the refusal is permitted to edit it. However, in the case of parent and child organizations, the parent may edit the child’s refusals and vice versa.
- CSV Files Parsing – The inbound files will be encoded in the comma-separated values or CSV format. For field data that contains commas, the values will be enclosed in double quote characters. (Ex. “Houdini, Harry” would translate to Houdini, Harry.)

### Examples:

#### Patient Record Example

Patient File Information (defined in ImmuNet template)

Field	Max Field Length
Record Identifier	24
First Name	25
Middle Name	25
Last Name	35
Birth Date	8
Sex (Gender)	1

Immunization File Information (defined in ImmuNet template)

Field	Max Field Length
Record Identifier	24
Vaccination Date	8

CVX Code	3
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Comment File Information (defined in ImmuNet template)

Field	Max Field Length
Record Identifier	32
Comment Code	6

**.txt Files**

Each field can be separated by a comma. The order of the record must be in the same order as defined in the template.

Patient .txt file to upload

555666,Test,,Patient,08242010,M

**Note:** No middle name is left blank and separated by comma

Immunization .txt file to upload

555666,08242010,85

Comment .txt file to upload

555666,26

**.csv Files**

Each field is automatically separated by column. The order of the record must be in the same order as defined in the template.

Patient .csv file to upload

Record Identifier	First Name	Middle Name	Last Name	Birth Date	Sex (Gender)
555666	Test		Patient	08242010	M

Immunization .csv file to upload

Record Identifier	Vaccination Date	CVX Code
555666	08242010	85

Comment .csv file to upload

Record Identifier	Comment Code
555666	26

**Sample Files that can be downloaded**

[Click here](#) to download the Patient and Immunization sample .csv files for the below template.

Defined Fields - Patient	Max Field Length
Record Identifier	24
Patient Status	1
First Name	25
Middle Name	25

Last Name	35
Name Suffix	10
Birth Date	8
Death Date	8
Mothers First Name	25
Mother's Maiden Last Name	35
Sex (Gender)	1
Race	1
Ethnicity	2
Contact Allowed	2
Consent to Share	1
Patient ID	20
Responsible Party First Name	25
Responsible Party Middle Name	25
Responsible Party Last Name	35
Responsible Party Relationship	2
Street Address	55
PO Box Route Line	55
Other Address Line	55
City	52
State	2
Zip	9
County	5
Phone	17
Sending Organization	10

<b>Defined Fields – Immunization</b>	<b>Max Field Length</b>
Record Identifier	24
Vaccine Group	16
CPT Code	5
Trade Name	24
CVX Code	3
NDC Code	13
Vaccination Date	8
Administration Route Code	2
Body Site Code	4
Reaction Code	8
Manufacturer Code	4
Immunization Information Source	2
Lot Number	30
Provider Name	40
Administered By Name	50
Sending Organization	10
Financial Class (VFC Eligibility Status)	4
Vaccine Purchased With (Funding Type)	3

## Code Index

Administration Route Code



Code	Description
<b>ID</b>	Intradermal
<b>IM</b>	Intramuscular
<b>IN</b>	Intranasal
<b>IV</b>	Intravenous
<b>PO</b>	Oral
<b>SC</b>	Subcutaneous
<b>TD</b>	Transdermal
<b>MP</b>	Multiple Puncture (Small Pox)

Body Site Code

Code	Description
<b>LA</b>	Left Arm
<b>LG</b>	Left Gluteus Medius
<b>LT</b>	Left Thigh
<b>LD</b>	Left Deltoid
<b>LVL</b>	Left Vastus Lateralis
<b>LLFA</b>	Left Lower Forearm
<b>RA</b>	Right Arm
<b>RG</b>	Right Gluteus Medius
<b>RT</b>	Right Thigh
<b>RD</b>	Right Deltoid
<b>RVL</b>	Right Vastus Lateralis
<b>RLFA</b>	Right Lower Forearm

Comment Code

Code	Description
<b>2F</b>	Allergy (anaphylactic) to 2-phenoxyethanol
<b>2G</b>	Allergy to aluminum (disorder)
<b>03</b>	Allergy to baker's yeast (anaphylactic)
<b>04</b>	Allergy to egg ingestion (anaphylactic)
<b>05</b>	Allergy to gelatin (anaphylactic)
<b>06</b>	Allergy to neomycin (anaphylactic) MMR & IPV
<b>1A</b>	Allergy to previous dose of Adeno (anaphylactic)
<b>1B</b>	Allergy to previous dose of Anthrax (anaphylactic)
<b>1C</b>	Allergy to previous dose of Cholera (anaphylactic)
<b>1D</b>	Allergy to previous dose of DTAP (anaphylactic)
<b>1E</b>	Allergy to previous dose of Encephalitis (anaphylactic)
<b>1F</b>	Allergy to previous dose of HepA (anaphylactic)
<b>1G</b>	Allergy to previous dose of HepB (anaphylactic)
<b>1H</b>	Allergy to previous dose of Hib (anaphylactic)
<b>1I</b>	Allergy to previous dose of HPV (anaphylactic)
<b>1J</b>	Allergy to previous dose of Ig-RSV IgIM (anaphylactic)
<b>1K</b>	Allergy to previous dose of Influenza (anaphylactic)
<b>1L</b>	Allergy to previous dose of Measles (anaphylactic)
<b>1M</b>	Allergy to previous dose of MeningB (anaphylactic)
<b>1N</b>	Allergy to previous dose of Meningo (anaphylactic)
<b>1O</b>	Allergy to previous dose of MMR (anaphylactic)
<b>1P</b>	Allergy to previous dose of Mumps (anaphylactic)
<b>1Q</b>	Allergy to previous dose of Pertussis (anaphylactic)

<b>1R</b>	Allergy to previous dose of Plague (anaphylactic)
<b>1S</b>	Allergy to previous dose of Pneumococcal (anaphylactic)
<b>1T</b>	Allergy to previous dose of Pneumo-Poly (anaphylactic)
<b>1U</b>	Allergy to previous dose of Polio (anaphylactic)
<b>1V</b>	Allergy to previous dose of Rabies (anaphylactic)
<b>1W</b>	Allergy to previous dose of Rotavirus (anaphylactic)
<b>1X</b>	Allergy to previous dose of Rubella (anaphylactic)
<b>1Y</b>	Allergy to previous dose of Td (anaphylactic)
<b>1Z</b>	Allergy to previous dose of Tdap (anaphylactic)
<b>2A</b>	Allergy to previous dose of Tetanus (anaphylactic)
<b>09</b>	Allergy to previous dose of this vaccine (anaphylactic)
<b>2B</b>	Allergy to previous dose of Typhoid (anaphylactic)
<b>2C</b>	Allergy to previous dose of Varicella (anaphylactic)
<b>2D</b>	Allergy to previous dose of Yellow Fever (anaphylactic)
<b>2E</b>	Allergy to previous dose of Zoster (anaphylactic)
<b>07</b>	Allergy to Streptomycin (anaphylactic)
<b>08</b>	Allergy to Thimerosal (anaphylactic)
<b>2H</b>	Allergy(anaphylactic) to proteins of rodent or neural origin
<b>H8</b>	Anthrax (disorder)
<b>22</b>	Chronic illness
<b>R1</b>	Clinician has decided to repeat the DTAP series
<b>R2</b>	Clinician has decided to repeat the Hep B series
<b>R9</b>	Clinician has decided to repeat the HepA series
<b>R3</b>	Clinician has decided to repeat the HIB series
<b>RX</b>	Clinician has decided to repeat the Influenza series
<b>R8</b>	Clinician has decided to repeat the Meningococcal series
<b>R5</b>	Clinician has decided to repeat the MMR series
<b>R6</b>	Clinician has decided to repeat the Pneumococcal series
<b>R4</b>	Clinician has decided to repeat the Polio series
<b>R7</b>	Clinician has decided to repeat the Varicella series
<b>21</b>	Current acute illness, moderate to severe
<b>14</b>	Current diarrhea, moderate to severe
<b>16</b>	Current fever with moderate-to-severe illness
<b>D1</b>	Disease due to Rotavirus (disorder)
<b>15</b>	Encephalopathy within 7 days of previous dose of DTP
<b>18</b>	Guillain-Barre Syndrome (GBS) within 6 weeks after DTP/DtaP
<b>H1</b>	Hepatitis A (finding)
<b>H2</b>	Hepatitis B (finding)
<b>H9</b>	History of Arthus hypersensitivity reaction
<b>H3</b>	History of Chicken Pox/Varicella
<b>2</b>	Household condition - unspecified
<b>HA</b>	Human papilloma virus infection (disorder)
<b>23</b>	IG/Blood product received
<b>8A</b>	Immunity: Anthrax
<b>24</b>	Immunity: Diphtheria
<b>25</b>	Immunity: Haemophilus Influenzae type B (Hib)
<b>C1</b>	Immunity: Hep A
<b>26</b>	Immunity: Hepatitis B

<b>8B</b>	Immunity: HPV
<b>8C</b>	Immunity: Influenza
<b>8D</b>	Immunity: Japanese Encephalitis
<b>27</b>	Immunity: Measles
<b>8E</b>	Immunity: Meningococcal
<b>28</b>	Immunity: Mumps
<b>29</b>	Immunity: Pertussis
<b>8F</b>	Immunity: Pneumococcal
<b>30</b>	Immunity: Poliovirus

<b>8G</b>	Immunity: Rabies
<b>8H</b>	Immunity: Rotovirus
<b>31</b>	Immunity: Rubella
<b>8I</b>	Immunity: Smallpox
<b>32</b>	Immunity: Tetanus
<b>8J</b>	Immunity: Typhoid
<b>33</b>	Immunity: Varicella (chicken pox)
<b>8K</b>	Immunity: Yellow Fever
<b>34</b>	Immunodeficiency (family history)OPV & VZV
<b>35</b>	Immunodeficiency (household contact) OPV
<b>36</b>	Immunodeficiency (in recipient) OPV & MMR & VZV
<b>HB</b>	Influenza (disorder)
<b>HC</b>	Japanese encephalitis virus disease (disorder)
<b>2I</b>	Latex allergy (disorder)
<b>2J</b>	Measles (finding)
<b>50</b>	Medical Exemption – Adeno
<b>51</b>	Medical Exemption – Anthrax
<b>52</b>	Medical Exemption – BCG
<b>53</b>	Medical Exemption – Cholera
<b>56</b>	Medical Exemption – Diphtheria
<b>54</b>	Medical Exemption – DT
<b>55</b>	Medical Exemption – DTP/aP
<b>57</b>	Medical Exemption – Encephalitis
<b>58</b>	Medical Exemption – FLU H1N1-09
<b>5A</b>	Medical Exemption – HepA
<b>5B</b>	Medical Exemption – HepB
<b>5C</b>	Medical Exemption – Hib
<b>59</b>	Medical Exemption – HPV
<b>5E</b>	Medical Exemption – Ig
<b>5D</b>	Medical Exemption – IG-RSV IgIM
<b>5F</b>	Medical Exemption – Influenza
<b>5G</b>	Medical Exemption – Lyme
<b>5I</b>	Medical Exemption – Measles
<b>5J</b>	Medical Exemption – Meningo
<b>5H</b>	Medical Exemption – MMR
<b>5K</b>	Medical Exemption – Mumps
<b>5M</b>	Medical Exemption – Pertussis
<b>5N</b>	Medical Exemption – Plague
<b>5P</b>	Medical Exemption – Pneumococcal

<b>5O</b>	Medical Exemption – Pneumo-Poly
<b>5Q</b>	Medical Exemption – Polio
<b>5L</b>	Medical Exemption – PPD Test
<b>5R</b>	Medical Exemption – Rabies
<b>5S</b>	Medical Exemption – Rotavirus
<b>5T</b>	Medical Exemption – Rubella
<b>5U</b>	Medical Exemption – Smallpox
<b>5V</b>	Medical Exemption – Td
<b>5W</b>	Medical Exemption – Tetanus
<b>5X</b>	Medical Exemption – Typhoid
<b>5Y</b>	Medical Exemption – Varicella
<b>5Z</b>	Medical Exemption – Yellow Fever
<b>60</b>	Medical Exemption – Zoster
<b>H7</b>	Member of Special Group
<b>HD</b>	Meningococcal infectious disease (disorder)
<b>2K</b>	Mumps (finding)
<b>37</b>	Neurologic disorders, underlying (seizure disorder)

<b>38</b>	Otitis media (ear infection) moderate to severe
<b>61</b>	Parental Refusal – Adeno
<b>62</b>	Parental Refusal – Anthrax
<b>63</b>	Parental Refusal – BCG
<b>64</b>	Parental Refusal – Cholera
<b>65</b>	Parental Refusal – DT
<b>66</b>	Parental Refusal – DTP/aP
<b>67</b>	Parental Refusal – Diphtheria
<b>68</b>	Parental Refusal – Encephalitis
<b>69</b>	Parental Refusal – FLU H1N1-09
<b>6A</b>	Parental Refusal – HPV
<b>6B</b>	Parental Refusal – HepA
<b>6C</b>	Parental Refusal – HepB
<b>6D</b>	Parental Refusal – Hib
<b>6E</b>	Parental Refusal – IG-RSV IgIM
<b>6F</b>	Parental Refusal – Ig
<b>6G</b>	Parental Refusal – Influenza
<b>6H</b>	Parental Refusal – Lyme
<b>6I</b>	Parental Refusal – MMR
<b>6J</b>	Parental Refusal – Measles
<b>6K</b>	Parental Refusal – Meningo
<b>6L</b>	Parental Refusal – Mumps
<b>6M</b>	Parental Refusal – PPD Test
<b>6N</b>	Parental Refusal – Pertussis
<b>6O</b>	Parental Refusal – Plague
<b>6P</b>	Parental Refusal – Pneumo-Poly
<b>6Q</b>	Parental Refusal – Pneumococcal
<b>6R</b>	Parental Refusal – Polio
<b>6S</b>	Parental Refusal – Rabies
<b>6T</b>	Parental Refusal – Rotavirus
<b>6U</b>	Parental Refusal – Rubella

<b>6V</b>	Parental Refusal – Smallpox
<b>6W</b>	Parental Refusal – Td
<b>6X</b>	Parental Refusal – Tetanus
<b>6Y</b>	Parental Refusal – Typhoid
<b>6Z</b>	Parental Refusal – Varicella
<b>70</b>	Parental Refusal – Yellow Fever
<b>71</b>	Parental Refusal – Zoster
<b>C3</b>	Patient exposed to Rabies
<b>CP</b>	Pertussis contraindication and precautions
<b>HE</b>	Pneumococcal infectious disease (disorder)
<b>H5</b>	Polymyxin B Allergy (disorder)
<b>39</b>	Pregnancy (in recipient)
<b>H6</b>	Previous history of intussusception
<b>A9</b>	PRIOR doses OF ANTHRAX caused anaphylactic reaction
<b>AJ</b>	PRIOR doses OF CHOLERA caused anaphylactic reaction
<b>AM</b>	PRIOR doses OF DTAP caused anaphylactic reaction
<b>AN</b>	PRIOR doses OF ENCEPHALITIS caused anaphylactic reaction
<b>A0</b>	PRIOR doses OF HEPA caused anaphylactic reaction
<b>A1</b>	PRIOR doses OF HEPB caused anaphylactic reaction
<b>A3</b>	PRIOR doses OF HIB caused anaphylactic reaction
<b>A4</b>	PRIOR doses OF HUMAN PAPILLOMA VIRUS caused anaphylactic reaction
<b>AK</b>	PRIOR doses OF IG-RSV IGIM caused anaphylactic reaction
<b>AO</b>	PRIOR doses OF INFLUENZA caused anaphylactic reaction
<b>A5</b>	PRIOR doses OF MENINGO caused anaphylactic reaction
<b>A6</b>	PRIOR doses OF MMR caused anaphylactic reaction

<b>10</b>	PRIOR doses OF nonspecific vaccine GROUP caused anaphylactic reaction
<b>A7</b>	PRIOR doses OF PLAGUE caused anaphylactic reaction
<b>A8</b>	PRIOR doses OF PNEUMOCOCCAL caused anaphylactic reaction
<b>AI</b>	PRIOR doses OF PNEUMOPOLY caused anaphylactic reaction
<b>AA</b>	PRIOR doses OF POLIO caused anaphylactic reaction
<b>AB</b>	PRIOR doses OF RABIES caused anaphylactic reaction
<b>AC</b>	PRIOR doses OF ROTAVIRUS caused anaphylactic reaction
<b>AE</b>	PRIOR doses OF SMALLPOX caused anaphylactic reaction
<b>AL</b>	PRIOR doses OF TD caused anaphylactic reaction
<b>AH</b>	PRIOR doses OF TETANUS caused anaphylactic reaction
<b>AD</b>	PRIOR doses OF TYPHOID caused anaphylactic reaction
<b>AF</b>	PRIOR doses OF VARICELLA caused anaphylactic reaction
<b>AG</b>	PRIOR doses OF YELLOW FEVER caused anaphylactic reaction
<b>A2</b>	PRIOR doses OF ZOSTER caused anaphylactic reaction
<b>HF</b>	Rabies (disorder)
<b>HO</b>	Rabies exposure within previous 10 days
<b>1</b>	Recipient Condition - unspecified
<b>C0</b>	Refusal of All Childhood Vaccines
<b>P1</b>	Refusal of DT
<b>P2</b>	Refusal of DT/aP
<b>PB</b>	Refusal of HepA
<b>P3</b>	Refusal of HepB
<b>P4</b>	Refusal of Hib

<b>PF</b>	Refusal of HPV
<b>PC</b>	Refusal of Influenza
<b>PD</b>	Refusal of Meningococcal
<b>P5</b>	Refusal of MMR
<b>PJ</b>	Refusal of Novel Influenza-09
<b>PG</b>	Refusal of Pertussis
<b>P6</b>	Refusal of Pneumococcal
<b>P7</b>	Refusal of Polio
<b>PE</b>	Refusal of Rotavirus
<b>C2</b>	Refusal of Smallpox
<b>P8</b>	Refusal of Td
<b>PT</b>	Refusal of Tdap
<b>P9</b>	Refusal of Varicella
<b>PK</b>	Refusal of Zoster
<b>72</b>	Religious Exemption – Adeno
<b>73</b>	Religious Exemption – Anthrax
<b>74</b>	Religious Exemption – BCG
<b>75</b>	Religious Exemption – Cholera
<b>76</b>	Religious Exemption – DT
<b>77</b>	Religious Exemption – DTP/aP
<b>78</b>	Religious Exemption – Diphtheria
<b>79</b>	Religious Exemption – Encephalitis
<b>7A</b>	Religious Exemption – FLU H1N1-09
<b>7B</b>	Religious Exemption – HPV
<b>7C</b>	Religious Exemption – HepA
<b>7D</b>	Religious Exemption – HepB
<b>7E</b>	Religious Exemption – Hib
<b>7F</b>	Religious Exemption – IG-RSV IgM
<b>7G</b>	Religious Exemption – Ig
<b>7H</b>	Religious Exemption – Influenza
<b>7I</b>	Religious Exemption – Lyme
<b>7J</b>	Religious Exemption – MMR
<b>7K</b>	Religious Exemption – Measles
<b>7L</b>	Religious Exemption – Meningo
<b>7M</b>	Religious Exemption – Mumps
<b>7N</b>	Religious Exemption – PPD Test
<b>7O</b>	Religious Exemption – Pertussis
<b>7P</b>	Religious Exemption – Plague
<b>7Q</b>	Religious Exemption – Pneumo-Poly
<b>7R</b>	Religious Exemption – Pneumococcal
<b>7S</b>	Religious Exemption – Polio
<b>7T</b>	Religious Exemption – Rabies
<b>7U</b>	Religious Exemption – Rotavirus
<b>7V</b>	Religious Exemption – Rubella
<b>7W</b>	Religious Exemption – Smallpox
<b>7X</b>	Religious Exemption – Td
<b>7Y</b>	Religious Exemption – Tetanus
<b>7Z</b>	Religious Exemption – Typhoid
<b>80</b>	Religious Exemption – Varicella

<b>81</b>	Religious Exemption – Yellow Fever
<b>82</b>	Religious Exemption – Zoster
<b>HG</b>	Ruebella (finding)
<b>CT</b>	Tetanus contraindication - allergic reaction
<b>40</b>	Thrombocytopenia
<b>41</b>	Thrombocytopenia purpura (history)
<b>HI</b>	Typhoid fever (disorder)
<b>HJ</b>	Vaccinia (disorder)
<b>HK</b>	Varicella (disorder)
<b>HL</b>	Varicella (finding)
<b>HM</b>	Viral hepatitis, type A (disorder)
<b>HN</b>	Yellow fever (disorder)

Contact Allowed Code

<b>Code</b>	<b>Description</b>
<b>01</b>	No contact allowed – Notices are not to be sent.
<b>02</b>	Contact Allowed – Notices will be sent.

County Code

<b>Code</b>	<b>Description</b>
<b>MD001</b>	Allegany
<b>MD003</b>	Anne Arundel
<b>MD005</b>	Baltimore
<b>MD009</b>	Calvert
<b>MD011</b>	Caroline
<b>MD013</b>	Carroll
<b>MD015</b>	Cecil
<b>MD017</b>	Charles
<b>MD019</b>	Dorchester
<b>MD021</b>	Frederick
<b>MD023</b>	Garrett
<b>MD025</b>	Harford
<b>MD027</b>	Howard
<b>MD029</b>	Kent
<b>MD031</b>	Montgomery
<b>MD033</b>	Prince George’s
<b>MD035</b>	Queen Anne’s
<b>MD037</b>	Saint Mary’s
<b>MD039</b>	Somerset
<b>MD041</b>	Talbot
<b>MD043</b>	Washington
<b>MD045</b>	Wicomico
<b>MD047</b>	Worcester
<b>MD510</b>	Baltimore city

Ethnicity Code

<b>Code</b>	<b>Description</b>
<b>NH</b>	Non-Hispanic
<b>H</b>	Hispanic

Immunization Information Source Code

<b>Code</b>	<b>Description</b>
<b>00</b>	New Immunization Administered (by Sending Organization)
<b>01</b>	Source Unspecified
<b>02</b>	Other Provider
<b>03</b>	Parent Written Record
<b>04</b>	Parent Recall
<b>05</b>	Other Registry
<b>06</b>	Birth Certificate
<b>07</b>	School Record
<b>08</b>	Public Agency

Manufacturer Code

<b>Code</b>	<b>Description</b>
<b>AB</b>	Abbott Laboratories ( <i>Ross Products Division</i> )
<b>AD</b>	Adams Laboratories
<b>ALP</b>	Alpha Therapeutic Corporation
<b>AR</b>	Armour (Inactive use ZLB)
<b>AVB</b>	Aventis Behring L.L.C. ( <i>Centeon and Armour Pharmaceutica, Inactive use ZLB</i> )
<b>AVI</b>	Aviron
<b>BA</b>	Baxter Healthcare Corporation (Inactive use BAH)
<b>BAH</b>	Baxter Healthcare Corporation ( <i>Hyland, Immuno Intl. AG, and N. Amer. Vac</i> )
<b>BAY</b>	Bayer (Including Miles And Cutter)
<b>BP</b>	Berna Products (Inactive use BPC)
<b>BPC</b>	Berna (Including Swiss Serum And Vib)
<b>BRR</b>	Barr Laboratories, Incorporated
<b>CEN</b>	Centeon (Inactive use AVB)
<b>CHI</b>	Chiron Corporation (bought by Novartis on 4/20/2006 – after this date use NOV))
<b>CMP</b>	Celltech Medeva Pharmaceuticals (Inactive use NOV)
<b>CNJ</b>	Cangene Corporation
<b>CON</b>	Connaught (Inactive use PMC)
<b>CRU</b>	Crucell
<b>CSL</b>	CSL Biotherapies
<b>DVC</b>	DynPort Vaccine Company, LLC
<b>DVX</b>	Dynavax, Inc
<b>EVN</b>	Evans Medical Limited (Inactive use NOV)
<b>GEO</b>	GeoVax Labs, Inc
<b>GRE</b>	Greer Laboratories Inc.
<b>IAG</b>	Immuno International Ag (Inactive use BAH)
<b>IDB</b>	ID Biomedical (IDB)
<b>IM</b>	Merieux (Inactive use PMC)
<b>INT</b>	Intercell Biomedical Ltd
<b>IUS</b>	Immuno-U.S., Inc.
<b>JHP</b>	JHP Pharmaceuticals, LLC
<b>JPN</b>	Osaka University (Biken)
<b>KGC</b>	Korea Green Cross Corporation
<b>LED</b>	Lederle (Inactive use WAL)
<b>MA</b>	Massachusetts Public Health Biologic Lab (Inactive use MBL)
<b>MBL</b>	Massachusetts Biologics Laboratories



<b>MED</b>	Medimmune, Inc.
<b>MIL</b>	Miles (Inactive use BAY)
<b>MIP</b>	Bioport Corporation (formerly Michigan Biologic Prod Inst.)
<b>MOD</b>	Moderna US, Inc.
<b>MSD</b>	Merck & Co., Inc.
<b>NAB</b>	NABI (formerly North American Biologicals)
<b>NAV</b>	North American Vaccine, Inc. (Inactive use BAH)
<b>NOV</b>	Novartis Pharmaceutical Corp. ( <i>Ciba-Geigy and Sandoz</i> )
<b>NVX</b>	Novavax, Inc
<b>OTC</b>	Organon Teknika Corporation
<b>ORT</b>	Ortho-Clinical Diagnostics (formerly Ortho Diagnostic Systems, Inc.)
<b>PFR</b>	Pfizer (including Wyeth-Ayerst)
<b>PMC</b>	Sanofi Pasteur Inc. ( <i>Connaught and Pasteur Merieux</i> )
<b>PD</b>	Parkedale Pharmaceuticals (formerly Parke-Davis)
<b>PRX</b>	Praxis Biologics (Inactive use WAL)
<b>PWJ</b>	Powerject Pharmaceuticals ( <i>Celltech Medeva and Evans Medical</i> )
<b>SCL</b>	Sclavo, Inc.
<b>SEQ</b>	Seqirus
<b>SI</b>	Swiss Serum and Vaccine Inst. (Inactive use BPC)
<b>SKB</b>	GlaxoSmithKline ( <i>SmithKline Beecham and Glaxo Wellcome</i> )
<b>SOL</b>	Solvay Pharmaceuticals
<b>TAL</b>	Talecris Biotherapeutics (includes Bayer Biologicals)
<b>USA</b>	Us Army Med Research
<b>VXG</b>	VaxGen
<b>WA</b>	Wyeth-Ayerst (Inactive use WAL)
<b>WAL</b>	Wyeth-Ayerst ( <i>Lederle and Praxis</i> )
<b>ZLB</b>	ZLB Behring (includes Aventis Behring and Armour Pharmaceutical Company)
<b>OTH</b>	Other manufacturer
<b>UNK</b>	Unknown

Race Code

<b>Code</b>	<b>Description</b>
<b>I</b>	American Indian or Alaska Native
<b>A</b>	Asian or Pacific Islander
<b>B</b>	Black or African-American
<b>W</b>	White
<b>O</b>	Other
<b>U</b>	Unknown

Responsible Party Relationship

<b>Code</b>	<b>Description</b>
<b>18</b>	Self
<b>61</b>	Aunt
<b>62</b>	Brother
<b>33</b>	Father
<b>87</b>	Foster Father
<b>88</b>	Foster Mother
<b>97</b>	Grandfather
<b>98</b>	Grandmother

<b>26</b>	Guardian
<b>32</b>	Mother
<b>B7</b>	Sister
<b>64</b>	Spouse
<b>48</b>	Stepfather
<b>49</b>	Stepmother
<b>D3</b>	Uncle

Reaction Code

<b>Code</b>	<b>Description</b>
<b>10</b>	Anaphylactic reaction
<b>CRYING</b>	Persistent crying lasting >= 3 hours within 48 hours of immunization
<b>ERVISIT</b>	Emergency room/doctor visit required
<b>FEVER105</b>	Temperature >= 105 (40.5 C) within 48 hours of immunization
<b>HYPOTON</b>	Hypotonic-hyporesponsive collapse within 48 hours of immunization
<b>PERTCONT</b>	Pertussis allergic reaction
<b>SEIZURE</b>	Seizure occurring within 3 days
<b>TETCONT</b>	Tetanus allergic reaction

Patient Status Code

<b>Code</b>	<b>Description</b>
<b>A</b>	Active
<b>M</b>	Moved or Gone Elsewhere
<b>N</b>	Inactive
<b>P</b>	Permanently Inactive – Deceased Clients

Sex (Gender) Code

<b>Code</b>	<b>Description</b>
<b>F</b>	Female
<b>M</b>	Male
<b>U</b>	Unknown

Vaccine Purchased With (Funding Type)

<b>Code</b>	<b>Description</b>
<b>PVF</b>	Private Funds
<b>PBF</b>	Public Funds

Financial Class (VFC Eligibility Status)

<b>Code</b>	<b>Description</b>
<b>V01</b>	Not VFC Eligible
<b>V02</b>	VFC Eligible – Medicaid (including Healthy Kids)
<b>V03</b>	VFC Eligible – Uninsured
<b>V04</b>	VFC Eligible – American Indian / Alaska Native
<b>V05</b>	VFC Eligible – Underinsured (FQHC & LHD only)

Vaccine Group Code

<b>Table</b>	<b>Name</b>	<b>Value</b>	<b>Description</b>
WVGC			
WVGC		Adeno	Adeno

WVGC		Anthrax	Anthrax
WVGC		BCG	BCG
WVGC		Cholera	Cholera
WVGC		COVID-19	Coronavirus
WVGC		Diphtheria	Diphtheria Antitoxin
WVGC		DTP/aP	Diphtheria, Tetanus, Acellular Pertussis
WVGC		Encephalitis	Encephalitis
WVGC		Flu H1N1-09	Novel Influenza-09
WVGC		HepA	Hepatitis A
WVGC		HepB	Hepatitis B
WVGC		Hib	Hib
WVGC		HPV	Human Papilloma Virus
WVGC		Ig	Ig
WVGC		IG-RSV IgIM	IG-RSV IgIM
WVGC		Influenza	Influenza
WVGC		JEVC	JEVC
WVGC		Lyme	Lyme
WVGC		Measles	Measles Virus Vaccine
WVGC		MMR	Measles, Mumps, Rubella
WVGC		Meningo	Meningitis
WVGC		MeningB-Bexsero	MeningBB
WVGC		MeningB-Trumenba	MeningBT
WVGC		Mumps	Mumps Virus Vaccine

**Vaccine Trade Name (WVTN)**

WVTN		Pertussis	Pertussis
WVTN		Plague	Plague
WVTN		Pneumococcal	Pneumonia Conjugate
WVTN		Pneumo-Poly	Pneumonia Polysaccharide
WVTN		Polio	Poliomyelitis
WVTN		PPD Test	PPD Test
WVTN		Rabies	Rabies
WVTN		Rotavirus	Rotavirus
WVTN		Rubella	Rubella Virus Vaccine
WVTN		Tdap	TDAP
WVTN		Tetanus	Tetanus
WVTN		Td	Tetanus Diphtheria
WVTN		Typhoid	Typhoid
WVTN		Smallpox	Vaccinia
WVTN		Varicella	Varicella
WVTN		Yellow Fever	Yellow Fever
WVTN		Zoster	Zoster
WVTN			

WVTN		Acel-Imune	DTaP
WVTN		ActHib	Hib-PRP-T
WVTN		Adacel	TdaP > 7 years
WVTN		Adeno T4	Adeno T4

WVTN		Adeno T7	Adeno T7
WVTN		Adenovirus type 4 and 7	Adenovirus types 4 and 7
WVTN		AFLURIA	Influenza, seasonal, injectable
WVTN		AFLURIA p-free	Preservative-Free Influenza
WVTN		Afluria Quadrivalent	Influenza, injectable, Quadrivalent
WVTN		Afluria Quad, 6-36mo	Influenza, inject, quad, p-free, peds
WVTN		Afluria Quad, P-free	Influenza, inject, quadrivalent, p-free
WVTN		Agriflu p-free	Preservative-Free Influenza
WVTN		Anthrax	Anthrax
WVTN		Aplisol	TST-PPD intradermal
WVTN		Attenuvax	Measles
WVTN		BabyBIG	Botulism
WVTN		BayTet	Tlg
WVTN		BCG-Cancer	BCG-BC
WVTN		BCG-TB	BCG-TB
WVTN		Bexsero	Meningococcal B, OMV
WVTN		Biavax II	Rubella-Mumps
WVTN		BIG	Botulism
WVTN		Boostrix	TdaP > 7 years
WVTN		Botulinum-antitoxin	Botulinum-antitoxin
WVTN		Botulism	Botulism
WVTN		Certiva	DTaP
WVTN		Cholera-I	Cholera-Inject
WVTN		Cholera-O	Cholera-Oral
WVTN		CMV-IgIV	CMV-IgIV
WVTN		Comvax	HepB-Hib
WVTN		DAPTACEL	DTaP,5 pertussis antigens
WVTN		DECAVAC	Td Adult Pres-Free
WVTN		Diphtheria	Diphtheria
WVTN		Diphtheria-antitoxin	Diphtheria-antitoxin
WVTN		Dryvax	Smallpox
WVTN		DT	DT-Peds
WVTN		DTP	DTP
WVTN		Engerix-B Adult	HepB-Adult
WVTN		Engerix-B dialysis	HepB-Dialysis 4 dose
WVTN		Engerix-B Peds	HepB-Peds
WVTN		Flebogamma	IgIV
WVTN		FLUAD	Influenza, trivalent, adjuvanted
WVTN		FLUAD Quadrivalent	Influenza, quadrivalent, adjuvanted
WVTN		FLUBlok	Influenza, recombinant, inject, p-free
WVTN		Flublok, Quadrivalent	influenza, recombinant, quad, inject, p-free
WVTN		Flucelvax	Influenza, injectable, MDCK, p-free

WVTN		Flucelvax Quadrivalent	Influenza, injectable, MDCK, quad
WVTN		Flucelvax Quad, p-free	Influenza, injectable, MDCK, p-free quad
WVTN		Flu-Unspecified	Influenza, unspecified formulation
WVTN		Flu-Imune	Influenza, seasonal, injectable
WVTN		Flu-Mist	FLU-Nasal
WVTN		FluMist Quadrivalent	Influenza, live, intranasal, quadrivalent
WVTN		Flu-Shield	Influenza, seasonal, injectable
WVTN		Fluarix p-free	Preservative-Free Influenza
WVTN		Fluarix, quadrivalent	Influenza, inject, quadrivalent, p-free
WVTN		FluLaval	Influenza, seasonal, injectable
WVTN		Fluogen	Influenza, seasonal, injectable
WVTN		Fluvirin	Influenza, seasonal, injectable
WVTN		Fluvirin p-free	Preservative-Free Influenza

WVTN		Fluzone	Influenza, seasonal, injectable
WVTN		Fluzone High-Dose p-free	Influenza, high-dose, seasonal, P-free
WVTN		Fluzone Intraderm p-free	Influenza, seasonal, intradermal, P-free
WVTN		Fluzone p-free	Preservative-Free Influenza
WVTN		Fluzone Quad HighDose PF	Influenza, high-dose, quadrivalent
WVTN		Fluzone Quad MDV	Influenza, injectable, quadrivalent
WVTN		Fluzone Quad, P-free	Influenza, inject, quadrivalent, p-free
WVTN		Fluzone Quad, 6-36mo	Influenza, inject, quad, p-free, peds
WVTN		Fluzone S Hemi Quad	Influenza, Southern Hemi, quad
WVTN		Fluzone S Hemi Quad P PF	Influenza, S Hemi, quad, peds, p-free
WVTN		Fluzone S Hemi Quad PF	Influenza, Southern Hemi, quad, p-free
WVTN		Gardasil	HPV, Quadrivalent
WVTN		Gardasil 9	HPV9
WVTN		Havrix-Adult	HepA-Adult
WVTN		Havrix-Peds 2 Dose	HepA-Ped 2 Dose
WVTN		Havrix-Peds 3 Dose	HepA-Peds
WVTN		HBIG	HBIG
WVTN		HEPLISAV-B	HepB-CpG
WVTN		Hiberix	Hib-PRP-D
WVTN		Hib-TITER	Hib-HbOC
WVTN		H1N1 Nasal	Novel Influenza-H1N1-09, nasal
WVTN		H1N1 P-free, CSL	Novel Influenza-H1N1-09, preserve-free
WVTN		H1N1 P-free, Novartis	Novel Influenza-H1N1-09, preserve-free
WVTN		H1N1 P-free, Sanofi	Novel Influenza-H1N1-09, preserve-free
WVTN		H1N1 CSL	Novel Influenza-H1N1-09
WVTN		H1N1 Novartis	Novel Influenza-H1N1-09
WVTN		H1N1 Sanofi Pasteur	Novel Influenza-H1N1-09
WVTN		Ig	Ig
WVTN		IG-RSV IgIM	IG-RSV IgIM
WVTN		Imovax Rabies ID	Rabies-ID
WVTN		Imovax Rabies IM	Rabies-IM
WVTN		Infanrix	DTaP
WVTN		IPOL	Polio-Inject

WVTN		JE-Vax	Japanese Enceph
WVTN		Ixiaro	Japanese Encephalitis IM
WVTN		Kinrix	DTaP-IPV
WVTN		LYMERix	Lyme
WVTN		M-R-VAX	Measles-Rubella
WVTN		Measles	Measles
WVTN		Measles-Rubella (MERU)	Measles-Rubella
WVTN		Menactra	Meningococcal-MCV4P
WVTN		Menhibrix	Meningococcal C/Y-Hib PRP
WVTN		MENOMUNE	Meningococcal-MPSV4
WVTN		Meningo MCV4	Meningococcal-MCV4
WVTN		Menveo	Meningococcal-MCV4O
WVTN		Meruvax II	Rubella
WVTN		MMR II , M-M-R II	MMR
WVTN		Moderna COVID-19 Vaccine	COVID-19, mRNA, LNP-S, PF, 100 mcg/0.5mL dose
WVTN		Mumps	Mumps
WVTN		Mumps-Rubella (MURU)	Rubella-Mumps
WVTN		Mumpsvax	Mumps
WVTN		OmniHib	Hib-PRP-T
WVTN		ORIMUNE	Polio-Oral
WVTN		Pediarix	DTAP/Polio/Hep B
WVTN		Pentacel	DTaP-Hib-IPV
WVTN		PedvaxHIB	Hib-OMP
WVTN		Pfizer COVID-19 Vaccine	COVID-19, mRNA, LNP-S, PF, 30 mcg/0.3mL dose
WVTN		Plague	Plague
WVTN		Pneumovax 23	Pneumococcal 23
WVTN		PNU-IMUNE 23	Pneumococcal 23
WVTN		Prevnar 7	Pneumo-Conjugate Vaccine, 7 valent
WVTN		Prevnar13	Pneumo-Conjugate Vaccine, 13 valent
WVTN		ProHIBit	Hib-PRP-D
WVTN		ProQuad	MMRV
WVTN		Quadracel	DTaP-IPV
WVTN		RabAvert	Rabies-IM
WVTN		Recombivax Peds	HepB-Peds
WVTN		Recombivax-Adult	HepB-Adult
WVTN		Recombivax-Dialysis	HepB-Dialysis 4 dose
WVTN		Rho(D)Full	Rho(D)Full
WVTN		Rho(D)IV	Rho(D)IV
WVTN		Rho(D)Mini	Rho(D)Mini
WVTN		Rlg	Rlg
WVTN		Rlg-HT	Rlg-HT
WVTN		Rotarix	Rotavirus monovalent
WVTN		RotaShield	Rotavirus tetravalent
WVTN		RotaTeq	Rotavirus pentavalent
WVTN		RSV-IgIM	RSV-IgIM
WVTN		RSV-IgIV	RSV-IgIV
WVTN		Rubella	Rubella

WVTN		Td	Td (Adult), adsorbed
WVTN		TENIVAC	Td Adult Pres-Free
WVTN		Tetramune	DTP-Hib
WVTN		Tlg	Tlg
WVTN		TriHIBit	DTaP-Hib
WVTN		Tripedia	DTaP
WVTN		TT	Tetanus toxoid, adsorbed
WVTN		Trumenba	Meningococcal B, recombinant
WVTN		Tubersol	TST-PPD intradermal
WVTN		Twinrix	HepA-HepB Adult
WVTN		Typhim Vi	Typhoid-ViCPs
WVTN		Typhoid	Typhoid-HP
WVTN		Typhoid-AKD	Typhoid-AKD
WVTN		Vaccinia, diluted	Vaccinia (smallpox), diluted
WVTN		Vaccinia VIG	Vaccinia immune globulin VIG
WVTN		VAQTA-Adult	HepA-Adult
WVTN		VAQTA-Peds 2 Dose	HepA-Ped 2 Dose

## Vaccine Codes

CPT	CVX	Group	Vaccine	Trade Name	Description	MFG
90476	54	Adeno	Adeno T4	Adeno T4	Adenovirus type 4, live oral	WAL
90477	55		Adeno T7	Adeno T7	Adenovirus type 7, live oral	WAL
	82		Adeno, unspecified formulation		Adeno, unspecified formulation	
	143		Adenovirus types 4 and 7	Adenovirus types 4 and 7	Adenovirus, type 4 and type 7, live, oral	BRR
90581	24	Anthrax	Anthrax	Anthrax	Anthrax	MIP
90585	19	BCG	BCG-TB	BCG-TB	Bacillus Calmette-Guerin TB	OTC
				MYCOBAX		
90586			BCG-BC	BCG-Cancer	Bacillus Calmette-Guerin bladder cancer	OTC
				TICE BCG		OTC
90728		BCG		BCG not otherwise specified		
91300	208	COVID-19	COVID-19, mRNA, LNP-S, PF, 0.3mL	Pfizer COVID-19 Vaccine	COVID-19, mRNA, LNP-S, PF, 30 mcg/0.3mL dose	PFR
91301	207		COVID-19, mRNA, LNP-S, PF, 0.5mL	Moderna COVID-19 Vaccine	COVID-19, mRNA, LNP-S, PF, 100 mcg/0.5mL dose	MOD
90725	26	Cholera	Cholera-Injectable	Cholera-I	Cholera injectable	CHI
90592			Cholera-Oral	Cholera-O	Cholera Oral	CHI
90719		Diphtheria	Diphtheria	Diphtheria	Diphtheria	PD
	20	DTP/aP	DTaP	Acel-Imune	Diphtheria, tetanus, acellular pertussis	WAL
				Certiva		BAH
				Infanrix		SKB
				Tripedia		PMC

CPT	CVX	Group	Vaccine	Trade Name	Description	MFG
90701	01		DTP	DTP	Diphtheria, tetanus, whole cell pertussis	PMC
90702	28		DT	DT	Diphtheria tetanus pediatric	PMC
90720	22		DTP-Hib	Tetramune	DTP – Hib combination	WAL
90721	50		DTaP-Hib	TriHIBit	DTaP-Hib combination	PMC
90723	110		DTAP-HepB-Polio	Pediarix	DTAP-HepB-Polio combination	SKB
90698	120		DTaP-Hib-IPV	Pentacel	DTaP-Hib-IPV combination	PMC
	106		DTAP, 5 pertussis antigens	DAPTACEL	Diphtheria, tetanus, acellular pertussis, 5 antigens	PMC
90700	107		DTaP, unspecified formulation		DTaP, unspecified formulation	
	102		DTP-HIB-Hep B		DTP-HIB Hep B vaccine	
90696	130		DTaP-IPV	Kinrix	DTaP-IPV	SKB
				Quadracel		PMC
	132		DTaP-IPV-HIB-HEP B, historical		Historical record of vaccine containing * diphtheria, tetanus toxoids and acellular pertussis, * poliovirus, inactivated, * Haemophilus influenzae type b conjugate, * Hepatitis B	
90697	146		DTaP,IPV,Hib,HepB		DTaP,IPV,Hib,HepB	PMC
90663	125	Flu H1N1-09	Novel Influenza-H1N1-09, nasal	H1N1 Nasal	2009 Influenza-H1N1, nasal	MED
	126		Novel Influenza-H1N1-09, preserve-free	H1N1 p-free, CSL	2009 Influenza-H1N1, preservative free - injectable	CSL
				H1N1 p-free, Novartis		NOV
				H1N1 p-free, Sanofi		PMC
	127		Novel Influenza-H1N1-09	H1N1 CSL	2009 Influenza-H1N1, injectable	CSL
				H1N1 Novartis		NOV
				H1N1 Sanofi Pasteur		PMC
128	Novel Influenza-H1N1-09 all formulations		2009 Influenza-H1N1, not otherwise specified			
90632	52	HepA adult	Havrix-Adult	Hepatitis A adult	SKB	
			VAQTA-Adult		MSD	
90633	83	HepA ped-2 dose	Havrix-Peds 2 Dose	Hepatitis A pediatric/adolescent 2 dose	SKB	
			VAQTA-Peds 2 Dose		MSD	
90634	84	HepA ped-3 dose	VAQTA-Peds 3 Dose	Hepatitis A pediatric/adolescent 3 dose	MSD	
			Havrix-Peds 3 Dose		SKB	
90636	104	HepA-HepB Adult	Twinrix	Hepatitis A & Hepatitis B adult	SKB	
90730	85	Hep A, unspecified formulation		Hep A, unspecified formulation		
90636	104	HepB	HepA-HepB Adult	Twinrix	Hepatitis A & Hepatitis B adult	SKB
90723	110		DTAP-HepB-Polio	Pediarix	DTAP-HepB-Polio combination	SKB
90731	45		Hep B		Hep B not otherwise specified	
90739	189		HepB-CpG	HEPLISAV-B	HEPLISAV-B Adult 2 Dose	DVX
90740	44		Hep B-dialysis 3 dose		Hepatitis B Dialysis 3 dose	
90743	43		HepB adult	Recombivax-Adult	Hepatitis B adult dose 1ml	MSD
90744	08		HepB pediatric	Recombivax Peds	Hepatitis B pediatric/adolescent .5ml	MSD
				Engerix-B Peds		SKB



CPT	CVX	Group	Vaccine	Trade Name	Description	MFG
90745	42		Hep B, adolescent/high risk infant		Hep B, adolescent/high risk infant	
90746	43		HepB adult	Recombivax-Adult	Hepatitis B adult dose 1ml	MSD
				Engerix-B Adult		SKB
90747	44		HepB-dialysis 4 dose	Recombivax-Dialysis	Hepatitis B Dialysis 4 dose	MSD
				Engerix-B dialysis		SKB
90748	51		HepB-Hib	Comvax	HepB-Hib Combination	MSD
90697	146	DTaP,IPV,Hib,HepB		DTaP,IPV,Hib,HepB	PMC	
90645	47	Hib	Hib-HbOC	Hib-TITER	Hemophilus influenza b HbOC 4 dose	WAL
90646	46		Hib-PRP-D	ProHIBit	Hemophilus influenza b PRP-D booster	PMC
90647	49		Hib-OMP	PedvaxHIB	Hemophilus influenza b OMP 3 dose	MSD
90648	48		Hib-PRP-T	OmniHib	Hemophilus influenza b PRP-T 4 dose	PMC
				ActHib		PMC
				Hiberix		SKB
90720	22		DTP-Hib	Tetramune	DTP – Hib combination	WAL
90721	50		DTaP-Hib	TriHIBit	DTaP-Hib combination	PMC
90737	17		Hib		Hib not otherwise specified	
90748	51		HepB-Hib	Comvax	HepB-Hib combination	MSD
90698	120		DTaP-Hib-IPV	Pentacel	DTaP-Hib-IPV combination	PMC
90644	148		Meningococcal C/Y-Hib PRP	Menhibrix	Meningococcal C/Y-Hib PRP	SKB
90697	146		DTaP,IPV,Hib,HepB		DTaP,IPV,Hib,HepB	PMC
90649	62		HPV	HPV, Quadrivalent	Gardasil	Human Papilloma Virus
90650	118	HPV, bivalent		Cervarix	Human Papilloma Virus	SKB
90651	165	HPV9		Gardasil 9	Human Papilloma Virus	MSD
	137	HPV, uncertain formulation				
90281	86	Ig	Ig	Ig	Ig human	
90283	87		IgIV	IgIV	Ig IV human	
				Flebogamma		
90287	27		Botulinum-antitoxin	Botulinum-antitoxin	Botulinum antitoxin equine	
90288			Botulism	BabyBIG	Botulism Immune Globulin	
				Botulism		
				BIG		
90291	29		CMV-IgIV	CMV-IgIV	Cytomegalovirus Ig IV human	
90399	14		Ig		Unlisted immune globulin	
90296	12		Diphtheria-antitoxin	Diphtheria-antitoxin	Diphtheria antitoxin, equine	
90371	30		HBIG	HBIG	Hepatitis B Ig human	
90375	34		RIg	RIg	Rabies Ig human	
90376	34		RIg-HT	RIg-HT	Rabies Ig heat treated human	
90379	71		RSV-IgIV	RSV-IgIV	Respiratory syncytial virus Ig IV	
90384			Rho(D)Full	Rho(D)Full	Rho(D)Ig Rhlg human full-dose	
90385			Rho(D)Mini	Rho(D)Mini	Rho(D)Ig Rhlg human mini-dose	
90386		Rho(D)IV	Rho(D)IV	Rho(D)Ig Rhlg human IV		

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	156		Rho(D) Immune globulin- IV or IM		Rho(D) Immune globulin- IV or IM	
	157		Rho(D) Immune globulin – IM		Rho(D) Immune globulin – IM	
	159		Rho(D) unspecified formulation		Rho(D) unspecified formulation	
90389	13		TiG	BayTet	Tetanus Ig human	
				Tig		
90393	79		Vaccinia immune globulin	Vaccinia VIG	Vaccinia Ig human	
90396	36		VZIg	VZIg	Varicella-zoster Ig human	
	117		VZIG (IND)	VariZIG		CNJ
		Varicella IG				
90378	93	IG-RSV IM	RSV-IgIM	Synagis	Respiratory syncytial virus Ig	
90630	166	Influenza	Influenza, intradermal, quad, p-free	Fluzone Intradermal Quad	influenza, intradermal, quadrivalent, preservative free, injectable	PMC
90653	168		Influenza, trivalent, adjuvanted	FLUAD	Influenza, trivalent, adjuvanted	SEQ
90654	144		Influenza, seasonal, intradermal, P-free	Fluzone Intraderm p-free	Influenza, seasonal, intradermal, p-free	PMC
90655	140		Influenza, seasonal, P-free	AFLURIA p-free	Influenza preservative free, 6-35 months	SEQ
				Agriflu p-free		NOV
				Fluarix p-free		SKB
				Fluvirin p-free		SEQ
				Flulaval p-free		IDB
90656			Influenza, seasonal, P-free	Fluzone p-free	Influenza preservative free, 3+ years old	PMC
				AFLURIA p-free		SEQ
				Agriflu p-free		NOV
				Fluarix p-free		SKB
				Fluvirin p-free		SEQ
90657	141		Influenza, seasonal, injectable	Fluzone p-free	Influenza split virus 6-35 months	PMC
		AFLURIA		SEQ		
		Flu-Imune		WAL		
		Flu-Shield		WAL		
		FluLaval		IDB		
		Fluogen		PD		
		Fluvirin		SEQ		
90658		Influenza, seasonal, injectable	Fluzone	Influenza split virus, 3+ years old	PMC	
			AFLURIA		SEQ	
			Flu-Imune		WAL	
			Flu-Shield		WAL	
			FluLaval		IDB	
			Fluogen		PD	
			Fluvirin		SEQ	
90659	16	Influenza, Whole virus		Influenza whole virus		
90660	111	Flu-nasal	Flu-Mist	Influenza live, for intranasal use	WAL	

CPT	CVX	Group	Vaccine	Trade Name	Description	MFG
90661	153		Influenza, injectable, MDCK, p-free	Flucelvax	Influenza, injectable, MDCK, p-free	NOV
90662	135		Influenza, high dose, seasonal, P-free	Fluzone High-Dose p-free	Influenza, high dose, seasonal, P-free	PMC
	197		Influenza, high-dose, quadrivalent	Fluzone Quad HighDose PF	Influenza, high-dose, quadrivalent	PMC
90672	149		Influenza, live, intranasal, quadrivalent	FluMist Quadrivalent	Influenza virus vaccine, quadrivalent, live, for intranasal use	MED
	186		Influenza, injectable, MDCK, quad	Flucelvax Quadrivalent	Influenza, injectable, MDCK, quad	SEQ
90673	155		Influenza, recombinant, inject, p-free	FLUBlok	influenza, recombinant, inject, p-free	PSC
90674	171		Influenza, injectable, MDCK, p-free quad	Flucelvax Quad, p-free	Influenza, injectable, MDCK, p-free quad	SEQ
90682	185		Influenza, recombinant, quad, inject, p-free	Flublok, Quadrivalent	Influenza, recombinant, quad, inject, p-free	PMC
90685	161		Influenza, inject, quad, p-free, peds	Fluzone Quad, 6-36mo	Influenza virus vaccine, quadrivalent, split virus, preservative free, when administered to children 6-35 months of age, for intramuscular use.	PMC
		Afluria Quad, 6-36mo		Influenza, injectable, quadrivalent, preservative free, pediatric	SEQ	
90686	150		Influenza, inject, quadrivalent, p-free	Afluria Quad, P-free	Influenza virus vaccine, quadrivalent, split virus, preservative free, when administered to individuals 3 years of age and older, for intramuscular use	SEQ
		Fluarix, quadrivalent		SKB		
		Flulaval quad p-free		IDB		
		Fluzone Quad, P-free		PMC		
90687	158		Influenza, injectable, quadrivalent	Flulaval quadrivalent	Influenza virus vaccine, quadrivalent, split virus, when administered to children 6-35 months of age, for intramuscular use	SKB
		Fluzone Quad MDV		PMC		
90688			Influenza, injectable, quadrivalent	Afluria Quadrivalent	Influenza virus vaccine, quadrivalent, split virus, when administered to individuals 3 years of age and older, for intramuscular use	SEQ
		Flulaval quadrivalent		SKB		
		Fluzone Quad MDV		PMC		
	151		Influenza nasal, unspecified formulation			
90724	88		FLU	Flu-Unspecified	Influenza, unspecified formulation	
90694	205		Influenza, quadrivalent, adjuvanted	FLUAD Quadrivalent	Influenza, quadrivalent, adjuvanted	SEQ
	194		Influenza, Southern Hemisphere	Fluzone S Hemi Quad P PF	Influenza, Southern Hemisphere	
	200		Influenza, S Hemi, quad, peds, p-free	Fluzone S Hemi Quad P PF	Influenza, S Hemi, quad, peds, p-free	PMC
	201		Influenza, Southern Hemi, quad, p-free	Fluzone S Hemi Quad PF	Influenza, Southern Hemi, quad, p-free	PMC
	202		Influenza, Southern Hemi, quad	Fluzone S Hemi Quad	Influenza, Southern Hemi, quad	PMC
90665	66	Lyme	Lyme	LYMERix	Lyme disease	SKB
90735	39	Encephalitis	Japanese encephalitis	JE-Vax	Japanese encephalitis	JPN

CPT	CVX	Group	Vaccine	Trade Name	Description	MFG	
90738	134	JEVC	Japanese Encephalitis IM	Ixiaro	Japanese encephalitis virus vaccine, inactivated, for intramuscular use	INT	
	129		Japanese Encephalitis, unspecified formulation		Japanese Encephalitis, unspecified formulation		
90705	05	Measles	Measles	Measles	Measles live 1964-1974 (Eli Lilly)	MSD	
				Attenuvax	Measles live	MSD	
90708	04		Measles-Rubella		M-R-VAX	Measles and rubella live	MSD
					Measles-Rubella (MERU)		MSD
90704	07	Mumps	Mumps	Mumps	Mumps 1950-1978	MSD	
				Mumpsavax	Mumps live	MSD	
90709			Rubella-Mumps		Rubella and Mumps not otherwise specified		
	38		Rubella-Mumps		Biavax II	Rubella and mumps live	MSD
		Mumps-Rubella (MURU)			MSD		
90707	03	MMR	MMR	MMR II	Measles, mumps and rubella live	MSD	
90710	94		MMRV	Proquad	Measles, mumps, rubella, varicella live	MSD	
90733	32	Meningo	Meningococcal-MPSV4	MENOMUNE	Meningococcal-MPSV4	PMC	
	114		Meningococcal-MCV4P	Menactra	Meningococcal-MCV4P	PMC	
	136		Meningococcal-MCV4O	Menveo	Meningococcal-MCV4O	SKB	
90734	147		Meningococcal-MCV4	Meningo MCV4	Meningococcal-MCV4		
	108		Meningococcal, unspecified formulation		Meningococcal, unspecified formulation		
90644	148		Meningococcal C/Y-Hib PRP	Menhibrix	Meningococcal C/Y-Hib PRP	SKB	
90620	163		Meningococcal B, OMV	Bexsero	Meningococcal recombinant protein and outer membrane vesicle vaccine, serogroup B, 2 dose schedule, for intramuscular	SKB	
90621	162		Meningococcal B, recombinant	Trumenba	Meningococcal recombinant lipoprotein vaccine, serogroup B, 3 dose schedule, for intramuscular use	PFA	
90715	115	Pertussis	TDaP > 7 Years	Adacel	TDaP > 7 years	PMC	
				Boostrix		SKB	
90712	02	Polio	Polio oral	ORIMUNE	Poliovirus OPV live oral	WAL	
90713	10		Polio injectable	IPOL	Poliovirus inactivated IPV	PMC	
90723	110		DTAP-HepB-Polio	Pediarix	DTAP-HepB-Polio combination	SKB	
90698	120		DTaP-Hib-IPV	Pentacel	DTaP-Hib-IPV combination	PMC	
	89		Polio, unspecified formulation		Polio, unspecified formulation		
90696	130		DTaP-IPV		Kinrix	DTaP-IPV	SKB
					Quadracel		PMC
90697	146	DTaP,IPV,Hib,HepB		DTaP,IPV,Hib,HepB	PMC		

CPT	CVX	Group	Vaccine	Trade Name	Description	MFG
90727	23	Plague	Plague	Plague	Plague	GRE
90732	33	Pneumo-Poly	Pneumococcal 23	PNU-IMUNE 23	Pneumococcal polysaccharide 23 valent	WAL
				Pneumovax 23		MSD
90669	100	Pneumococcal	Pneumo-conjugate 7	Prevnar 7	Pneumococcal conjugate vaccine, 7 valent	WAL
	109		Pneumococcal, unspecified formulation		Pneumococcal, unspecified formulation	
90670	133		Pneumo-Conjugate, 13	Prevnar 13	Pneumococcal conjugate vaccine, 13	PFRWAL
	152		Pneumococcal Conjugate, unsp formulation		Pneumococcal Conjugate, unspecified formulation	
86580	96	PPD Test	TST-PPD intradermal	Aplisol	TST-PPD Intradermal	JHP
				Tubersol	TST-PPD Intradermal	PMC
	95		TST-OT Tine Test		TST-OT Tine Test	
	97		TST-PPD Tine Test		TST- PPD Tine Test	
	98		TST unspecified formulation		TST unspecified formulation	
90675	18	Rabies	Rabies-intramuscular	RabAvert	Rabies intramuscular	CHI
				Imovax Rabies IM		PMC
90676	40		Rabies-intradermal	Imovax Rabies ID	Rabies intradermal	PMC
90726	90		Rabies-NOS		Rabies not otherwise specified	
90680	74	Rotavirus	Rotavirus, Tet	RotaShield	Rotavirus tetravalent live oral (removed on 10/16/1999)	WAL
	116		Rotavirus, Pent	RotaTeq	Rotavirus pentavalent (after 02/02/2006)	MSD
90681	119		Rotavirus, monovalent	Rotarix	Rotavirus monovalent	SKB
	122		Rotavirus		Rotavirus not otherwise specified	
90706	06	Rubella	Rubella	Rubella	Rubella live	MSD
				Meruvax II		MSD
90708	04		Measles-Rubella	Measles-Rubella (MERU)	Measles and rubella live	MSD
				M-R-VAX		MSD
90709			Rubella-Mumps		Rubella-Mumps not otherwise specified	
	38	Rubella-Mumps	Mumps-Rubella (MURU)	Rubella and mumps live	MSD	
			Biavax II		MSD	
	75	Smallpox	Smallpox	Dryvax	Vaccinia(Smallpox) dry	WAL
	105		Vaccinia (Smallpox), diluted	Vaccinia, diluted	Vaccinia (smallpox), diluted	
90718	09	Td	Td (Adult), adsorbed	Td	Td (Adult), adsorbed	PMC
						MBL
	113		Td Adult Pres-Free	DECAVAC	Td Adult Preservative Free – CPT code is effective 7/1/2005	PMC
				TENIVAC	Td Adult Preservative Free	PMC
90715	115		TDaP > 7 Years	Adacel	TDaP > 7 years	PMC
				Boostrix		SKB
	138	Td (Adult), not adsorbed		Td (Adult), not adsorbed		
	139	Td (Adult) unspecified formulation		Td (Adult) unspecified formulation		

CPT	CVX	Group	Vaccine	Trade Name	Description	MFG
90714	196		Td (Adult), adsorbed PF, Lf unspecified		Td (Adult), adsorbed PF, Lf unspecified	
90703	35	Tetanus	Tetanus toxoid, adsorbed	TT	Tetanus toxoid, adsorbed	PMC
	112		Tetanus toxoid, unspecified formulation		Tetanus toxoid, unspecified formulation	
	142		Tetanus toxoid, not adsorbed		Tetanus toxoid, not adsorbed	
90690	25	Typhoid	Typhoid-oral	Vivotif Berna/Ty21a	Typhoid oral	CRU
90691	101		Typhoid-ViCPS	Typhim Vi	Typhoid VI capsular polysaccharide	PMC
90692	41		Typhoid-H-P	Typhoid	Typhoid heat and phenol inactivated	
90693	53		Typhoid-AKD	Typhoid-AKD	Typhoid acetone-killed, dried (military)	
	91		Typhoid		Typhoid not otherwise specified (after 7/1/2005, no CPT code is associated with this vaccine group)	
90710	94	Varicella	MMRV	ProQuad	Measles, mumps, rubella, varicella live	MSD
90716	21		Varicella	Varivax	Varicella live	MSD
90717	37	Yellow Fever	Yellow Fever	YF-VAX	Yellow Fever live	PMC
90750	187	Zoster	Zoster Recombinant	SHINGRIX	Zoster (shingles) vaccine (HZV), recombinant, sub-unit, adjuvanted, for intramuscular use	SKB
90736	121		Zoster (shingles), live	Zostavax	Zoster (shingles), live	MSD
	188		Zoster, unspecified formulation		Zoster, unspecified formulation	