Memorandum

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To: Edward Thommes, PhD, Director

Health Economics and Outcomes Research (HEOR), Sanofi Pasteur

From: Jianbin Mao, PhD, Associate Director, HEOR

Re: Part B and Part D Vaccination Characteristics Work Plan for Phase I and Exploratory Analysis

cc: Ami Buikema, MPH, Senior Director, Optum, HEOR

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1. **Phase Ia Objectives**
2. Describe HD-Flu off-label use (among subjects <65 years of age) by influenza season stratified by insurance type (MAPD, PDP or commercial), site of delivery (clinic vs. pharmacy) and coverage type (Part B or Part D)
3. **Phase 1b Objectives**
4. Describe high-dose and standard-dose influenza (HD-Flu, SD-Flu) vaccine volume by influenza season among Medicare Advantage with Part D (MAPD), stand-alone Part D (PDP) and commercial population, stratified by insurance type, site of delivery and coverage type
5. Separately describe the out-of-pocket costs for HD-Flu and SD-Flu vaccines, stratified by insurance type, site of delivery and coverage type
6. Describe HD-Flu or SD-Flu vaccine recipients’ demographics (age, gender, geographic region), stratified by insurance type, site of delivery and coverage type
7. Describe the characteristics of providers who deliver HD-Flu or SD-Flu vaccines
8. **Phase 1c Objectives**

Same as Phase 1b for 6 other adult vaccines (pneumococcal polysaccharide vaccine [PPV], pneumococcal conjugate vaccine 13-valent [PCV13], hepatitis A vaccine [HAV], hepatitis B vaccine [HBV], herpes zoster [HZ], tetanus/diphtheria/pertussis [Tdap]).

1. **Exploratory Objectives: Claim Reversal and Cost**
2. Describe claim reversals for HD-Flu and SD-Flu vaccines, stratified by insurance type, site of delivery and coverage type
3. Describe out-of-pocket amounts on reversals versus administered HD-Flu and SD-Flu vaccines, stratified by insurance type, site of delivery and coverage type
4. **Optum Research Database (ORD)**

## Commercial Claims Data

Optum has access to a proprietary research database containing medical and pharmacy claims with linked enrollment information for 69 million lives. For 2015, data relating to approximately 15 million individuals with both medical and pharmacy benefit coverage are available. Underlying information is geographically diverse across the United States and fairly representative of the U.S. population. Of the 15 million individuals in 2015, race/ethnicity and financial resource information was available for approximately 85-90 percent of the individuals.

Claims for pharmacy services are typically submitted electronically by the pharmacy at the time prescriptions are filled. The claims history is a profile of all outpatient prescription pharmacy services provided and covered by the health plan. Pharmacy claims data include drug name, dosage form, drug strength, fill date, days of supply, financial information, and de-identified member and prescriber codes, allowing for longitudinal tracking of medication refill patterns and changes in medications.

Medical claims or encounter data are collected from all available health care sites (inpatient hospital, outpatient hospital, emergency room (ER), physician's office, surgery center, etc.) for virtually all types of provided services, including specialty, preventive and office-based treatments. Medical claims and coding conform to insurance industry standards. Claims for ambulatory services submitted by individual providers, e.g., physicians, use the Health Care Financing Administration (HCFA)-1500 or Centers for Medicare and Medicaid Services (CMS)-1500 formats. Claims for facility services submitted by institutions, e.g., hospitals, use the Uniform Billing (UB)-82, UB-92, UB-04, or CMS-1450 formats. Medical claims include: multiple diagnosis codes recorded with the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) diagnosis codes; procedures recorded with ICD-9-CM procedure codes, Current Procedural Terminology (CPT), or Healthcare Common Procedure Coding System (HCPCS) codes; site of service codes; provider specialty codes; revenue codes (for facilities); paid amounts; and other information. Typically, facility claims do not include medications dispensed in hospital.

Pharmacy claims are typically added to the research database within six weeks of dispensing. Approximately six months following the delivery of services are required for complete medical data.

## Medicare Advantage and Part D (MAPD) Data

Medical and pharmacy claims data are available for approximately 5.1 million enrollees who are enrolled in Medicare Part C (commonly referred to as the Medicare Advantage program) through an offering associated with Optum. Medicare Advantage enrollees choose to receive all of their health care services through a provider organization in lieu of Medicare Part A/B coverage (commonly referred to as Medicare Fee for Service).

Beginning in 2006, complete medical and pharmacy information is available for Medicare enrollees with medical and Part D coverage. Pharmacy claims contain sufficient information to trace members’ pharmacy expenditures through the multiple phases of the Part D plans.

## Sociodemographic Data (Phase Ib and Ic only)

Optum has a unique source of individual-level data which is linked to the administrative claims data that allows for analysis of socioeconomic characteristics. Specifically, these data elements include race/ethnicity, language preference, occupation, household income category, and household net worth category. The data populating these socioeconomic elements are generated by a combination of self-report, modeling, census data, and a variety of other individual-level and population-level data sources. Certain data elements may be missing for some individuals in the claims database. The most complete variables such as race/ethnicity and income category are populated for approximately 85-90 percent of patients.

1. **Study Design for Influenza Vaccines**

Phase 1 and exploratory analysis will be conducted using administrative claims of MAPD, PDP or commercial enrollees from the Optum Research Database (ORD). The analysis will include data from 01 July 2009 to 30 June 2016. The study subjects[[1]](#footnote-1) will consist of HD-Flu or SD-Flu vaccine recipients 2009-2016 influenza season (see Table 1), providers who administer at least one of these vaccines from 2009-2016 will also be analyzed.

1. **Identification of Influenza-vaccinated Subjects**

The study period 2010-2016 will be divided into a total of 6 mutually-exclusive influenza seasons per Table 1 below:

**Table 1. Time Periods for Influenza Seasons 2010-2016**

|  |  |
| --- | --- |
| **Influenza Season** | **Date Range** |
| 2010/2011 | 7/1/2010-6/30/2011 |
| 2011/2012 | 7/1/2011-6/30/2012 |
| 2012/2013 | 7/1/2012-6/30/2013 |
| 2013/2014 | 7/1/2013-6/30/2014 |
| 2014/2015 | 7/1/2014-6/30/2015 |
| 2015/2016 | 7/1/2015-6/30/2016 |

For each vaccine season, a subject will be included if all of the following **inclusion criteria** are met:

* Evidence of at least one pharmacy or medical claim for an influenza vaccine (see Table 4 in the Appendix for codes and descriptions). To identify vaccinations from medical claim, both Common Procedural Terminology (CPT) codes and National Drug Codes (NDC) will be captured. *The Index dates* for each influenza season will be assigned as the date of first observed vaccination claim for each vaccine.
* Aged ≥19 as of the starting date of each influenza season

1. **HD-Flu and SD-Flu Vaccination Rates**

Vaccination rates for HD-Flu and SD-Flu will be separately computed for each influenza season. To account for the fact that members may join or leave a health plan at any time during an influenza season, each rate will be measured with 4 different methods as detailed below:

**Method 1: Vaccination rate per-member-per-month (PMPM)**

* Numerator: number of vaccine recipients in an influenza season
* Denominator: number of aggregated months from all members with at least **1 day** of eligibility during that influenza season (from July 1st through June 30th)

**Method 2: Vaccination incidence rate PMPM**

Among all members enrolled at the beginning of an influenza vaccination season

* Numerator: number of vaccinated recipients
* Denominator: number of aggregated months from all members from the start of vaccination session (September 1st) until vaccination, disenrollment or June 30th of next year (whichever is earlier)

**Method 3: Percent vaccinated during at peak influenza vaccination season**

Among all members continuously enrolled between September 1st and March 31st during each influenza vaccination season:

* Numerator: number of vaccine recipients between September 1st and March 31st,
* Denominator: number of members in the database who are continuously enrolled between September 1st and March 31st

**Method 4: Percent vaccinated during an entire influenza season**

* Numerator: number of vaccine recipients from July 1st through June 30th of each vaccination season
* Denominator: number of members in the database who are continuously enrolled from July 1st through June 30th of each vaccination season

1. **Study Design for 6 Other Adult Vaccines (HAV, HBV, HZ, PPV, PCV13, Td and Tdap)**
2. The study for all other adult vaccines will be very similar to influenza vaccines with the exception that calendar year will be used to replace influenza season and subjects will be identified as adults having at least one claim for these 6 vaccines (see Table 5 in the Appendix) between 01 January 2009 and 31 December 2016. Vaccination rate will only be provided with Method 1 and Method 2 detailed above. **Variables**
3. **Index Vaccine**

* **Month and year of vaccination**—Month and year of the influenza vaccination claim
* **The brand of HD-Flu or SD-Flu**—The brand of influenza vaccination received will be captured
* **Patient-paid amount on influenza vaccine**—The patient out-of-pocket expenditure on HD-Flu or SD-Flu vaccination claim
* **Vaccine coverage**—Whether or not the vaccine was submitted through the pharmacy (Part D) or medical (Part B) benefit will be captured
* **Administered versus reversal**—A binary variable to indicate whether an HD-Flu or SD-Flu vaccination claim is for an administered vaccination or a reversal

1. **Subject Characteristics**

* **Age**—Age will be defined as of the index year.
* **Age groups**—Subjects will be assigned to one of the following age groups: 19–29, 30–39, 40-49, 50-59, 60-64, 65-69 and 70+.
* **Continuously enrolled months**—The number of months each subject is continuously enrolled in the health plan, overall and by each influenza season will be captured.
* **Sex**—Sex will be captured from enrollment data; patients with unknown sex will be removed from the study sample (we expect very few patients with unknown sex).
* **Race/ethnicity**—Race/ethnicity information obtained from the linked sociodemographic data was captured and categorized as follows: White, African-American/Black, Asian, Hispanic, or other. This variable depends on the availability of data within the sociodemographic data. Data were therefore missing for some study subjects. Subjects with some sociodemographic information available but with missing data on race/ethnicity were categorized as “unknown.” Subjects without any sociodemographic information available were categorized as “no SES information.” These categories were combined for the multivariable analysis.
* **Urban/rural**—An indicator variable was created based on US Census Bureau Core Based Statistical Area (CBSA) to identify whether subjects reside in urban or rural areas.
* **Insurance type**—Whether the patient was covered under a MAPD, PDP or commercial health plan will be captured.
* **Geographic region**—The U.S. region in which a study subject is enrolled in a health plan will be determined and reported and states will be categorized into four geographic regions in accordance with the U.S. Census Bureau’s region designations; the four health plan regions are presented in the Table 2.

**Table 2. Health Plan Regions**

| **Region** | **Division** | **State** |
| --- | --- | --- |
| Northeast | New England | CT, MA, ME, NH, RI, VT |
| Mid Atlantic | NJ, NY, PA |
| Midwest | East North Central | IL, IN, MI, OH, WI |
| West North Central | IA, KS, MN, MO, ND, NE, SD |
| South | South Atlantic | DC, DE, FL, GA, MD, NC, SC, VA, WV |
| East South Central | AL, KY, MS, TN |
| West South Central | AR, LA, OK, TX |
| West | Mountain | AZ, CO, ID, MT, NM, NV, UT, WY |
| Pacific | AK, CA, HI, OR, WA |
| Other | Other | Armed Forces, American Samoa, Federated State of Micronesia, Guam, Marshall Islands, Commonwealth of the Northern Mariana Islands, Puerto Rico, Palau, Virgin Islands |

1. **Provider Characteristics (Phase Ib and Ic only)**

* **Age of the provider**—Age of the provider will be captured and will be assigned into one of the following age groups: < 40, 40-49, 50-59, 60-69, and 70+
* **Gender**—Gender of the provider will be captured
* **Geographic location of the provider**—Geographic location of the provider will be captured at the 3-digit zip code and state level
* **Provider type**— The type of provider will be captured as pharmacy or clinic. The type of clinic provider will be further divided into primary care, infectious disease, cardiovascular, respiratory, neurology, and other.
* **Number of assigned patients within the database during the study period**—Total number of unique patients within the database by each provider will be provided, as well as separate counts of total number of MAPD and commercial patients
* **Number of vaccinated patients within the database during the study period**— Total number of vaccinated patients overall, and by vaccine type. Proportion of vaccinated members over all assigned patients within the database will be calculated overall and by vaccine type
* **Number of patients in the database in the latest 12 months**—Total number of unique patients in the database during the latest 12 months by each provider will be captured, as well as separate count of total number of MAPD and commercial patients
* **Number of vaccinated patients within the database in the latest 12 months**— Total number of vaccinated patients in the latest 12 months overall, and by vaccine type. Proportion of vaccinated patients over all assigned patients within the database in the latest 12 months will be calculated overall and by vaccine type

1. **Analysis Methods**

All study variables for each influenza season will be analyzed descriptively. Numbers and percents will be provided for dichotomous and polychotomous variables. Means, medians, and standard deviations will be provided for continuous variables.

The following descriptive analyses will be provided for Phase Ia:

* Characteristics (age, gender and geographic region) of off-label HD-Flu patients initiating vaccines by influenza season, insurance type, site of delivery and coverage type, as well as provider characteristics

The following descriptive analyses will be provided for Phase Ib and Phase Ic:

* Total number of vaccines administered by influenza season (or calendar year), insurance type, site of delivery and coverage type
* Total number of vaccine reversals by influenza season (or calendar year), insurance type, site of delivery and coverage type
* Characteristics (age, gender and geographic region) of patients initiating vaccines by influenza season (or calendar year), insurance type, site of delivery and coverage type
* Characteristics (age, gender and geographic region) of patients with a vaccine reversal by influenza season (or calendar year), insurance type, site of delivery and coverage type
* Mean patient out-of-pocket cost on administered vaccines by influenza season (or calendar year), insurance type, site of delivery and coverage type
* Mean patient out-of-pocket cost on vaccine reversals by influenza season (or calendar year), insurance type, site of delivery and coverage type
* Characteristics of providers who deliver vaccines by influenza season (or calendar year)
* Table show providers in the top 5% in influenza vaccination and bottom (or calendar year) 5% providers by provider characteristics
* Table show providers in the top 15% in influenza vaccination (or calendar year) and bottom 15% providers by provider characteristics

1. **Deliverables**

* Draft and final Phase Ia, Ib, Ic and exploratory work plan, including table shells
* Count of qualifying patients for HS-Flu and SD-Flu, and other adult vaccines (both administered and reversal, in table form)
* Descriptive analysis results (both administered and reversal, in table form)
* Draft and final slide deck of methods and results

1. **Study Timeline**

**Table 3. Estimated Timeline**

|  |  |  |
| --- | --- | --- |
| **Task/Deliverable** | **Weeks** | **Estimated Date** |
| Optum to conduct kick-off meeting following receipt of a fully executed contract | 1 | 3 April 2017 |
| Optum to deliver draft work plan, following kick-off meeting | 1.5 | 14 April 2017  (Invoicing milestone) |
| Optum’s receipt of comments from Sanofi following delivery of draft work plan | 1 | 21 April 2017 |
| Optum to deliver final work plan following receipt of draft work plan comments from Sanofi | 1 | 28 April 2017 |
| Optum to deliver Phase 1a results (excluding provider characteristics) | 2.5 | May 15, 2017 |
| Optum to deliver Phase Ib count of patients by study group in table format following delivery of final work plan to Sanofi | 4 | 26 May 2017 |
| Optum to deliver Phase Ib descriptive analysis results tables following delivery of patient count table (excluding certain provider characteristics, vaccine brand name, and subject race/ethnicity variable) | 3 | 19 June 2017 |
| Optum to deliver Phase 1a and Ib descriptive analysis results tables for the remaining provider, vaccine brand name and subject characteristics | 3 | 5 July 2017 (tentative) |
| Optum to deliver draft slide deck following delivery of Phase Ib descriptive analysis results tables | 1 | 12 July 2017 |
| Optum’s receipt of comments from Sanofi following delivery of draft slide deck | 1 | 18 July 2017 |
| Optum to deliver final slide deck following receipt of draft slide deck comments from Sanofi | 1 | 25 July 2017 |
| Optum to deliver Phase Ic count of patients following delivery of final slide deck | 1 | 1 August 2017 |
| Optum to deliver Phase Ic descriptive analysis results tables following delivery of patient count table | 1 | 22 August 2017 |
| Optum to deliver updated final slide deck to Sanofi following delivery of Phase Ic results tables | 1 | 29 August 2017 |

1. **Appendix**

**Table 4. Codes for High-Dose and Standard-Dose Influenza Vaccines**

|  |  |  |  |
| --- | --- | --- | --- |
| **Code** | **Code Type** | **Description** | **Comment** |
| 49281038565 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2009-2010/PF | High Dose |
| 49281038765 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | High Dose |
| 49281038965 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2011-2012/PF | High Dose |
| 49281039165 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2012-2013 (65YR+)/PF | High Dose |
| 49281039388 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (65 YR+)/PF | High Dose |
| 49281039365 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (65 YR+)/PF | High Dose |
| 49281039588 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-2015 (65 YR+)/PF | High Dose |
| 49281039565 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-2015 (65 YR+)/PF | High Dose |
| 49281039788 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT SPLIT 2015-2016(65 YR+)/PF | High Dose |
| 49281039765 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT SPLIT 2015-2016(65 YR+)/PF | High Dose |
| 66521000011 | NDC | INFLUENZA VACCINE TVS 2015-2016 (65 YR+)/ADJUVANT MF59C.1/PF | High Dose Adjuvant |
| 66521000001 | NDC | INFLUENZA VACCINE TVS 2015-2016 (65 YR+)/ADJUVANT MF59C.1/PF | High Dose Adjuvant |
| 49281039965 | NDC | INFLUENZA VIRUS VACCINE TRIVAL SPLIT 2016-2017(65 YR UP)/PF | High Dose |
| 49281039988 | NDC | INFLUENZA VIRUS VACCINE TRIVAL SPLIT 2016-2017(65 YR UP)/PF | High Dose |
| 70461000111 | NDC | INFLUENZA VACCINE TVS 2016-17 (65 YR UP)/ADJUVANT MF59C.1/PF | High Dose Adjuvant |
| 70461000101 | NDC | INFLUENZA VACCINE TVS 2016-17 (65 YR UP)/ADJUVANT MF59C.1/PF | High Dose Adjuvant |
| 66521010510 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT,PURIFIED-SURFACE ANTIGEN | Standard Dose |
| 49281036611 | NDC | INFLUENZA VIRUS TRI-SPLIT | Standard Dose |
| 00008098701 | NDC | INFLUENZA VIRUS TRI-SPLIT | Standard Dose |
| 66521010601 | NDC | INFLUENZ VIR VAC TV P-SURF2003 | Standard Dose |
| 66521010610 | NDC | INFLUENZ VIR VAC TV P-SURF2003 | Standard Dose |
| 49281037215 | NDC | INFLUENZA VIRUS TRI-SPLIT 2003 | Standard Dose |
| 49281037211 | NDC | INFLUENZA VIRUS TRI-SPLIT 2003 | Standard Dose |
| 49281037415 | NDC | INFLUENZA VIRUS TRI-SPLIT 2004 | Standard Dose |
| 49281037411 | NDC | INFLUENZA VIRUS TRI-SPLIT 2004 | Standard Dose |
| 54868549500 | NDC | INFLUENZA TV-S 05-06 VACCINE | Standard Dose |
| 49281037615 | NDC | INFLUENZA TV-S 05-06 VACCINE | Standard Dose |
| 66521010810 | NDC | INFLUENZA TV-S 05-06 VACCINE | Standard Dose |
| 49281000550 | NDC | INFLUENZA TV-S 05-06 VACCINE/PF | Standard Dose |
| 58160087251 | NDC | INFLUENZA TV-S 05-06 VACCINE/PF | Standard Dose |
| 49281000525 | NDC | INFLUENZA TV-S 05-06 VACCINE/PF | Standard Dose |
| 49281000510 | NDC | INFLUENZA TV-S 05-06 VACCINE/PF | Standard Dose |
| 49281000650 | NDC | INFLUENZA TV-S 06-07 VACCINE/PF | Standard Dose |
| 58160087346 | NDC | INFLUENZA TV-S 06-07 VACCINE/PF | Standard Dose |
| 66521010901 | NDC | INFLUENZA TV-S 06-07 VACCINE/PF | Standard Dose |
| 49281000625 | NDC | INFLUENZA TV-S 06-07 VACCINE/PF | Standard Dose |
| 49281000610 | NDC | INFLUENZA TV-S 06-07 VACCINE/PF | Standard Dose |
| 54868566500 | NDC | INFLUENZA TRIVALENT-SPIT 2006-2007 VACCINE | Standard Dose |
| 49281037815 | NDC | INFLUENZA TRIVALENT-SPIT 2006-2007 VACCINE | Standard Dose |
| 66521010910 | NDC | INFLUENZA TRIVALENT-SPIT 2006-2007 VACCINE | Standard Dose |
| 54569582100 | NDC | INFLUENZA TRIVALENT-SPIT 2006-2007 VACCINE | Standard Dose |
| 19515088307 | NDC | INFLUENZA TRIVALENT-SPIT 2006-2007 VACCINE | Standard Dose |
| 54569597100 | NDC | INFLUENZA TV-S 07-08 VACCINE/PF | Standard Dose |
| 49281000725 | NDC | INFLUENZA TV-S 07-08 VACCINE/PF | Standard Dose |
| 58160087446 | NDC | INFLUENZA TV-S 07-08 VACCINE/PF | Standard Dose |
| 49281000750 | NDC | INFLUENZA TV-S 07-08 VACCINE/PF | Standard Dose |
| 66521011001 | NDC | INFLUENZA TV-S 07-08 VACCINE/PF | Standard Dose |
| 33332000701 | NDC | INFLUENZA TV-S 07-08 VACCINE/PF | Standard Dose |
| 49281000710 | NDC | INFLUENZA TV-S 07-08 VACCINE/PF | Standard Dose |
| 49281038015 | NDC | INFLUENZA TV-S 07-08 VACCINE | Standard Dose |
| 66521011010 | NDC | INFLUENZA TV-S 07-08 VACCINE | Standard Dose |
| 54868581300 | NDC | INFLUENZA TV-S 07-08 VACCINE | Standard Dose |
| 21695063205 | NDC | INFLUENZA TV-S 07-08 VACCINE | Standard Dose |
| 33332010710 | NDC | INFLUENZA TV-S 07-08 VACCINE | Standard Dose |
| 19515088407 | NDC | INFLUENZA TV-S 07-08 VACCINE | Standard Dose |
| 33332010810 | NDC | INFLUENZA TV-S 08-09 VACCINE | Standard Dose |
| 49281038215 | NDC | INFLUENZA TV-S 08-09 VACCINE | Standard Dose |
| 66521011110 | NDC | INFLUENZA TV-S 08-09 VACCINE | Standard Dose |
| 19515088507 | NDC | INFLUENZA TV-S 08-09 VACCINE | Standard Dose |
| 54868594100 | NDC | INFLUENZA TV-S 08-09 VACCINE | Standard Dose |
| 49281000850 | NDC | INFLUENZA TV-S 08-09 VACCINE/PF | Standard Dose |
| 66521011102 | NDC | INFLUENZA TV-S 08-09 VACCINE/PF | Standard Dose |
| 33332000801 | NDC | INFLUENZA TV-S 08-09 VACCINE/PF | Standard Dose |
| 66521011101 | NDC | INFLUENZA TV-S 08-09 VACCINE/PF | Standard Dose |
| 58160087541 | NDC | INFLUENZA TV-S 08-09 VACCINE/PF | Standard Dose |
| 58160087546 | NDC | INFLUENZA TV-S 08-09 VACCINE/PF | Standard Dose |
| 49281000825 | NDC | INFLUENZA TV-S 08-09 VACCINE/PF | Standard Dose |
| 49281000810 | NDC | INFLUENZA TV-S 08-09 VACCINE/PF | Standard Dose |
| 66521011202 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2009-2010/PF | Standard Dose |
| 49281000950 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2009-2010/PF | Standard Dose |
| 58160087646 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2009-2010/PF | Standard Dose |
| 46028010801 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2009-2010/PF | Standard Dose |
| 33332000901 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2009-2010/PF | Standard Dose |
| 49281000925 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2009-2010/PF | Standard Dose |
| 49281000910 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2009-2010/PF | Standard Dose |
| 49281038415 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2009-2010 | Standard Dose |
| 66521011210 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2009-2010 | Standard Dose |
| 54868605900 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2009-2010 | Standard Dose |
| 19515088607 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2009-2010 | Standard Dose |
| 33332010910 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2009-2010 | Standard Dose |
| 54868618000 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | Standard Dose |
| 49281001010 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | Standard Dose |
| 49281001025 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | Standard Dose |
| 33332001001 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | Standard Dose |
| 49281001050 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | Standard Dose |
| 58160087746 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | Standard Dose |
| 66521011302 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | Standard Dose |
| 46028011001 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2010-2011/PF | Standard Dose |
| 66521011310 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2010-2011 | Standard Dose |
| 19515088707 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2010-2011 | Standard Dose |
| 54868617700 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2010-2011 | Standard Dose |
| 49281038615 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2010-2011 | Standard Dose |
| 49281070355 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT-SPLIT 2011-2012/PF | Standard Dose |
| 66521011402 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2011-2012 (4 YR & OLDER)/PF | Standard Dose |
| 33332001101 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2011-2012 (9 YR & OLDER)/PF | Standard Dose |
| 58160087852 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2011-2012 (3 YR & OLDER)/PF | Standard Dose |
| 66521011410 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2011-2012 (4 YR & OLDER) | Standard Dose |
| 33332011110 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2011-2012 (9 YR & OLDER) | Standard Dose |
| 19515088807 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2011-2012 (18 YR & OLDER) | Standard Dose |
| 49281011125 | NDC | INFLUENZA VIRUS VACCINE 2011-2012 (6 MOS-35 MOS)/PF | Standard Dose |
| 49281038815 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2011-2012 (6 MOS AND OLDER) | Standard Dose |
| 49281001150 | NDC | INFLUENZA VIRUS VACCINE TV-SP 2011-12 (36 MOS AND OLDER)/PF | Standard Dose |
| 49281001110 | NDC | INFLUENZA VIRUS VACCINE TV-SP 2011-12 (36 MOS AND OLDER)/PF | Standard Dose |
| 49281039015 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (6 MOS AND OLDER) | Standard Dose |
| 49281070555 | NDC | INFLUENZA VIRUS VACCINE TVS 2012-2013 (18 YRS-64 YRS)/PF | Standard Dose |
| 49281001210 | NDC | INFLUENZA VIRUS VACCINE TVS 2012-2013 (36 MOS AND OLDER)/PF | Standard Dose |
| 49281001250 | NDC | INFLUENZA VIRUS VACCINE TVS 2012-2013 (36 MOS AND OLDER)/PF | Standard Dose |
| 19515088907 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (18 YR & OLDER) | Standard Dose |
| 19515088902 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (18 YR & OLDER) | Standard Dose |
| 58160087941 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (3 YR & OLDER)/PF | Standard Dose |
| 58160087952 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (3 YR & OLDER)/PF | Standard Dose |
| 66521011502 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (4 YR & OLDER)/PF | Standard Dose |
| 76420047101 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (4 YR & OLDER)/PF | Standard Dose |
| 33332001202 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (5 YR & OLDER)/PF | Standard Dose |
| 33332001201 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (5 YR & OLDER)/PF | Standard Dose |
| 66521011510 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (4 YR & OLDER) | Standard Dose |
| 76420047010 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (4 YR & OLDER) | Standard Dose |
| 33332011210 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2012-2013 (5 YR & OLDER) | Standard Dose |
| 42874001210 | NDC | INFLUENZA VIRUS VACCINE TV 2012-2013 (18 TO 49 YRS)RECOMB/PF | Standard Dose |
| 42874001201 | NDC | INFLUENZA VIRUS VACCINE TV 2012-2013 (18 TO 49 YRS)RECOMB/PF | Standard Dose |
| 63851061101 | NDC | INFLUENZA VACCINE TRI-SPLT 2012-13(18 YR +)CELL DERIVED/PF | Standard Dose |
| 63851061111 | NDC | INFLUENZA VACCINE TRI-SPLT 2012-13(18 YR +)CELL DERIVED/PF | Standard Dose |
| 49281041388 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014(36 MOS & OLDER)/PF | Standard Dose Quad |
| 58160090041 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014(36 MOS & OLDER)/PF | Standard Dose Quad |
| 58160090052 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281041350 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281041310 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281041358 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014(36 MOS & OLDER)/PF | Standard Dose Quad |
| 76420048301 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014(36 MOS & OLDER)/PF | Standard Dose Quad |
| 76420048201 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281001310 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (36 MOS AND OLDER)/PF | Standard Dose |
| 49281001358 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (36 MOS AND OLDER)/PF | Standard Dose |
| 49281001388 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (36 MOS AND OLDER)/PF | Standard Dose |
| 49281001350 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (36 MOS AND OLDER)/PF | Standard Dose |
| 58160088052 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (36 MOS AND OLDER)/PF | Standard Dose |
| 58160088041 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (36 MOS AND OLDER)/PF | Standard Dose |
| 49281070748 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (18 YRS-64 YRS)/PF | Standard Dose |
| 49281070755 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (18 YRS-64 YRS)/PF | Standard Dose |
| 49281039278 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2013-14 (6 MOS AND OLDER) | Standard Dose |
| 49281039215 | NDC | INFLUENZA VIRUS VACCINE TRI-SPLIT 2013-14 (6 MOS AND OLDER) | Standard Dose |
| 66521011612 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (4 YR & OLDER)/PF | Standard Dose |
| 66521011602 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (4 YR & OLDER)/PF | Standard Dose |
| 76420048101 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (4 YR & OLDER)/PF | Standard Dose |
| 54569642100 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (4 YR & OLDER) | Standard Dose |
| 66521011610 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (4 YR & OLDER) | Standard Dose |
| 66521011611 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (4 YR & OLDER) | Standard Dose |
| 63851061211 | NDC | INFLUENZA VACCINE TV SPLIT 2013-14 (18 YR+) CELL DERIVED/PF | Standard Dose |
| 63851061201 | NDC | INFLUENZA VACCINE TV SPLIT 2013-14 (18 YR+) CELL DERIVED/PF | Standard Dose |
| 33332001301 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (5 YR & OLDER)/PF | Standard Dose |
| 33332001302 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (5 YR & OLDER)/PF | Standard Dose |
| 33332011310 | NDC | INFLUENZA VIRUS VACCINE TV SPLIT 2013-2014 (5 YR & OLDER) | Standard Dose |
| 19515089511 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014 (36 MOS & OLDER) | Standard Dose Quad |
| 19515089501 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2013-2014 (36 MOS & OLDER) | Standard Dose Quad |
| 19515089002 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (36 MOS AND OLDER) | Standard Dose |
| 19515089007 | NDC | INFLUENZA VIRUS VACCINE TVS 2013-2014 (36 MOS AND OLDER) | Standard Dose |
| 42874001310 | NDC | INFLUENZA VIRUS VACCINE TV 2013-2014 (18 TO 49 YRS)RECOMB/PF | Standard Dose |
| 42874001301 | NDC | INFLUENZA VIRUS VACCINE TV 2013-2014 (18 TO 49 YRS)RECOMB/PF | Standard Dose |
| 62577061311 | NDC | INFLUENZA VACCINE TRIVAL.SPLIT 2014-15 (18 YR+) CELL DER/PF | Standard Dose |
| 62577061301 | NDC | INFLUENZA VACCINE TRIVAL.SPLIT 2014-15 (18 YR+) CELL DER/PF | Standard Dose |
| 76420049301 | NDC | INFLUENZA VACCINE TRIVAL.SPLIT 2014-15 (18 YR+) CELL DER/PF | Standard Dose |
| 58160090152 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-15(36 MOS & OLDER)/PF | Standard Dose Quad |
| 19515089452 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-15(36 MOS & OLDER)/PF | Standard Dose Quad |
| 58160090141 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-15(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281041488 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-15(36 MOS & OLDER)/PF | Standard Dose Quad |
| 19515089441 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-15(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281041450 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-15(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281041410 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-15(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281041458 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-15(36 MOS & OLDER)/PF | Standard Dose Quad |
| 49281070948 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-15 (18 YRS-64 YRS)/PF | Standard Dose |
| 49281070955 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-15 (18 YRS-64 YRS)/PF | Standard Dose |
| 19515089111 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2014-2015 (36 MOS & OLDER) | Standard Dose Quad |
| 19515089101 | NDC | INFLUENZA VIRUS VACCINE QUAD VS 2014-2015 (36 MOS & OLDER) | Standard Dose Quad |
| 49281001488 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2014-15 (36 MOS AND OLDER)/PF | Standard Dose |
| 19515089252 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2014-15 (36 MOS AND OLDER)/PF | Standard Dose |
| 19515089241 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2014-15 (36 MOS AND OLDER)/PF | Standard Dose |
| 58160088141 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2014-15 (36 MOS AND OLDER)/PF | Standard Dose |
| 49281001450 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2014-15 (36 MOS AND OLDER)/PF | Standard Dose |
| 58160088152 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2014-15 (36 MOS AND OLDER)/PF | Standard Dose |
| 66521011712 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2014-2015 (4 YR & OLDER)/PF | Standard Dose |
| 66521011702 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2014-2015 (4 YR & OLDER)/PF | Standard Dose |
| 66521011710 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-2015 (4 YR & OLDER) | Standard Dose |
| 66521011711 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-2015 (4 YR & OLDER) | Standard Dose |
| 49281062115 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-2015 (6 MOS & OLDER) | Standard Dose Quad |
| 49281062178 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2014-2015 (6 MOS & OLDER) | Standard Dose Quad |
| 49281039478 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-15 (6 MOS AND OLDER) | Standard Dose |
| 49281039415 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-15 (6 MOS AND OLDER) | Standard Dose |
| 42874001410 | NDC | INFLUENZA VIRUS VACCINE TV 2014-2015(18 YRS & OLDER)RCMB/PF | Standard Dose |
| 42874001401 | NDC | INFLUENZA VIRUS VACCINE TV 2014-2015(18 YRS & OLDER)RCMB/PF | Standard Dose |
| 19515089302 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-15 (36 MOS AND OLDER) | Standard Dose |
| 19515089307 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-15 (36 MOS AND OLDER) | Standard Dose |
| 33332011411 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-2015 (5 YR & OLDER) | Standard Dose |
| 33332011410 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2014-2015 (5 YR & OLDER) | Standard Dose |
| 33332001402 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2014-2015 (5 YR & OLDER)/PF | Standard Dose |
| 33332001401 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2014-2015 (5 YR & OLDER)/PF | Standard Dose |
| 66521011810 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2015-2016 (4 YR & OLDER) | Standard Dose |
| 66521011811 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2015-2016 (4 YR & OLDER) | Standard Dose |
| 62577061411 | NDC | INFLUENZA VACCINE TRIVALENT 2015-2016(18 YR+)CELL DERIVED/PF | Standard Dose |
| 62577061401 | NDC | INFLUENZA VACCINE TRIVALENT 2015-2016(18 YR+)CELL DERIVED/PF | Standard Dose |
| 76420051001 | NDC | INFLUENZA VACCINE TRIVALENT 2015-2016(18 YR+)CELL DERIVED/PF | Standard Dose |
| 49281062378 | NDC | INFLUENZA VIRUS VACCINE QVALSPLIT 2015-2016(6 MOS AND OLDER) | Standard Dose |
| 49281062315 | NDC | INFLUENZA VIRUS VACCINE QVALSPLIT 2015-2016(6 MOS AND OLDER) | Standard Dose |
| 49281070840 | NDC | INFLUENZA VIRUS VACCINE QUADRIVALENT 2015-16(18YRS-64YRS)/PF | Standard Dose Quad |
| 49281070848 | NDC | INFLUENZA VIRUS VACCINE QUADRIVALENT 2015-16(18YRS-64YRS)/PF | Standard Dose Quad |
| 66521011802 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2015-2016 (4 YR & OLDER)/PF | Standard Dose |
| 66521011812 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2015-2016 (4 YR & OLDER)/PF | Standard Dose |
| 76420049501 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2015-2016 (4 YR & OLDER)/PF | Standard Dose |
| 58160090341 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL SPLIT 2015-16(36 MOS+)/PF | Standard Dose Quad |
| 49281041588 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL SPLIT 2015-16(36 MOS+)/PF | Standard Dose Quad |
| 58160090352 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL SPLIT 2015-16(36 MOS+)/PF | Standard Dose Quad |
| 49281041550 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL SPLIT 2015-16(36 MOS+)/PF | Standard Dose Quad |
| 49281041510 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL SPLIT 2015-16(36 MOS+)/PF | Standard Dose Quad |
| 49281041558 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL SPLIT 2015-16(36 MOS+)/PF | Standard Dose Quad |
| 42874001510 | NDC | INFLUENZA VIRUS VACCINE TV 2015-2016(18 YRS & OLDER)RCMB/PF | Standard Dose |
| 42874001501 | NDC | INFLUENZA VIRUS VACCINE TV 2015-2016(18 YRS & OLDER)RCMB/PF | Standard Dose |
| 49281039615 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2015-16 (6 MOS AND OLDER) | Standard Dose |
| 49281039678 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2015-16 (6 MOS AND OLDER) | Standard Dose |
| 33332011511 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2015-2016 (5 YR & OLDER) | Standard Dose |
| 33332011510 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2015-2016 (5 YR & OLDER) | Standard Dose |
| 33332001502 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2015-2016 (5 YR & OLDER)/PF | Standard Dose |
| 33332001501 | NDC | INFLUENZA VIRUS VACCINE TRIVALNT 2015-2016 (5 YR & OLDER)/PF | Standard Dose |
| 19515089811 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2015-2016 (36 MOS & OLDER) | Standard Dose Quad |
| 19515089801 | NDC | INFLUENZA VIRUS VACCINE QUADRIVAL 2015-2016 (36 MOS & OLDER) | Standard Dose Quad |
| 49281041658 | NDC | INFLUENZA VIRUS VACCINE QUADVAL SPLIT 2016-17(36 MOS UP)/PF | Standard Dose Quad |
| 49281041610 | NDC | INFLUENZA VIRUS VACCINE QUADVAL SPLIT 2016-17(36 MOS UP)/PF | Standard Dose Quad |
| 19515090841 | NDC | INFLUENZA VIRUS VACCINE QUADVAL SPLIT 2016-17(36 MOS UP)/PF | Standard Dose Quad |
| 49281041650 | NDC | INFLUENZA VIRUS VACCINE QUADVAL SPLIT 2016-17(36 MOS UP)/PF | Standard Dose Quad |
| 19515090852 | NDC | INFLUENZA VIRUS VACCINE QUADVAL SPLIT 2016-17(36 MOS UP)/PF | Standard Dose Quad |
| 58160090552 | NDC | INFLUENZA VIRUS VACCINE QUADVAL SPLIT 2016-17(36 MOS UP)/PF | Standard Dose Quad |
| 49281041688 | NDC | INFLUENZA VIRUS VACCINE QUADVAL SPLIT 2016-17(36 MOS UP)/PF | Standard Dose Quad |
| 58160090541 | NDC | INFLUENZA VIRUS VACCINE QUADVAL SPLIT 2016-17(36 MOS UP)/PF | Standard Dose Quad |
| 49281062515 | NDC | INFLUENZA VIRUS VACCINE QVALSPLIT 2016-2017(6 MOS AND OLDER) | Standard Dose Quad |
| 49281062578 | NDC | INFLUENZA VIRUS VACCINE QVALSPLIT 2016-2017(6 MOS AND OLDER) | Standard Dose Quad |
| 42874001610 | NDC | INFLUENZA VIRUS VACCINE TV 2016-17(18 YRS AND OLDER)RCMB/PF | Standard Dose |
| 42874001601 | NDC | INFLUENZA VIRUS VACCINE TV 2016-17(18 YRS AND OLDER)RCMB/PF | Standard Dose |
| 19515090301 | NDC | INFLUENZA VIRUS VACCINE QUADRIV 2016-2017 (36 MOS AND OLDER) | Standard Dose Quad |
| 19515090311 | NDC | INFLUENZA VIRUS VACCINE QUADRIV 2016-2017 (36 MOS AND OLDER) | Standard Dose Quad |
| 33332011611 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2016-2017 (5 YR AND OLDER) | Standard Dose |
| 33332011610 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2016-2017 (5 YR AND OLDER) | Standard Dose |
| 33332001602 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2016-2017 (5 YEARS UP)/PF | Standard Dose |
| 33332001601 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2016-2017 (5 YEARS UP)/PF | Standard Dose |
| 76420051501 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2016-2017 (5 YEARS UP)/PF | Standard Dose |
| 49281071040 | NDC | INFLUENZA VIRUS VACCINE QUADRIVALENT 2016-17(18YRS-64YRS)/PF | Standard Dose Quad |
| 49281071048 | NDC | INFLUENZA VIRUS VACCINE QUADRIVALENT 2016-17(18YRS-64YRS)/PF | Standard Dose Quad |
| 70461011911 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2016-2017 (4 YR AND OLDER) | Standard Dose |
| 70461011910 | NDC | INFLUENZA VIRUS VACCINE TRIVALENT 2016-2017 (4 YR AND OLDER) | Standard Dose |
| 70461020001 | NDC | FLU VACCINE QS 2016-2017(4 YEARS AND OLDER)CELL DERIVED/PF | Standard Dose Quad |
| 70461020011 | NDC | FLU VACCINE QS 2016-2017(4 YEARS AND OLDER)CELL DERIVED/PF | Standard Dose Quad |
| 70461011902 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2016-2017 (4YR AND OLDER)/PF | Standard Dose |
| 70461011912 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2016-2017 (4YR AND OLDER)/PF | Standard Dose |
| 76420051101 | NDC | INFLUENZA VIRUS VACCINE TRIVAL 2016-2017 (4YR AND OLDER)/PF | Standard Dose |
| 33332031602 | NDC | INFLUENZA VIRUS VACCINE QUADRIVALENT 2016-17(18YR AND UP)/PF | Standard Dose Quad |
| 33332031601 | NDC | INFLUENZA VIRUS VACCINE QUADRIVALENT 2016-17(18YR AND UP)/PF | Standard Dose Quad |
| 33332041611 | NDC | INFLUENZA VIRUS VACCINE QUADRIVALENT 2016-17(18 YEAR AND UP) | Standard Dose Quad |
| 33332041610 | NDC | INFLUENZA VIRUS VACCINE QUADRIVALENT 2016-17(18 YEAR AND UP) | Standard Dose Quad |
| 90653 | CPT | Influenza vaccine, inactivated (IIV), subunit, adjuvanted, for intramuscular use | High Dose Adjuvant |
| 90662 | CPT | Influenza virus vaccine (IIV), split virus, preservative free, enhanced immunogenicity via increased antigen content, for intramuscular use | High Dose |
| 4037F | CPT | Influenza immunization ordered or administered (COPD, PV, CKD, ESRD)(IBD) | Standard Dose |
| 90630 | CPT | Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, for intradermal use | Standard Dose Quad |
| 90654 | CPT | Influenza virus vaccine, trivalent (IIV3), split virus, preservative-free, for intradermal use | Standard Dose |
| 90656 | CPT | Influenza virus vaccine, trivalent (IIV3), split virus, preservative free, when administered to individuals 3 years and older, for intramuscular use | Standard Dose |
| 90658 | CPT | Influenza virus vaccine, trivalent (IIV3), split virus, when administered to individuals 3 years of age and older, for intramuscular use | Standard Dose |
| 90659 | CPT | Flu vaccine, whole, im | Standard Dose |
| 90661 | CPT | Influenza virus vaccine (ccIIV3), derived from cell cultures, subunit, preservative and antibiotic free, for intramuscular use | Standard Dose |
| 90666 | CPT | Influenza virus vaccine (IIV), pandemic formulation, split virus, preservative free, for intramuscular use | Standard Dose |
| 90667 | CPT | Influenza virus vaccine (IIV), pandemic formulation, split virus, adjuvanted, for intramuscular use | Standard Dose |
| 90668 | CPT | Influenza virus vaccine (IIV), pandemic formulation, split virus, for intramuscular use | Standard Dose |
| 90673 | CPT | Influenza virus vaccine, trivalent (RIV3), derived from recombinant DNA, hemagglutinin (HA) protein only, preservative and antibiotic free, for intramuscular use | Standard Dose |
| 90686 | CPT | Influenza virus vaccine, quadrivalent (IIV4), split virus, preservative free, when administered to individuals 3 years of age and older, for intramuscular use | Standard Dose Quad |
| 90688 | CPT | Influenza virus vaccine, quadrivalent (IIV4), split virus, when administered to individuals 3 years of age and older, for intramuscular use | Standard Dose Quad |
| Q2033 | HCPCS | Influenza vaccine, recombinant hemagglutinin antigens, for intramuscular use (Flublok) | Standard Dose |
| Q2034 | HCPCS | Influenza virus vaccine, split virus, for intramuscular use (Agriflu) | Standard Dose |
| Q2035 | HCPCS | Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (AFLURIA) | Standard Dose |
| Q2036 | HCPCS | Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (FLULAVAL) | Standard Dose |
| Q2037 | HCPCS | Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (FLUVIRIN) | Standard Dose |
| Q2038 | HCPCS | Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (Fluzone) | Standard Dose |
| Q2039 | HCPCS | Influenza virus vaccine, split virus, when administered to individuals 3 years of age and older, for intramuscular use (not otherwise specified) | Standard Dose |

**Table 5. Codes for Other Adult Vaccines**

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| **Code** | **Code Type** | **Description** | **Comment** |
| 58160083541 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083546 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083532 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 54868405602 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 49999041201 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083511 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083501 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 54868405600 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 54868405601 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083701 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083711 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083705 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083726 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083758 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083746 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160083750 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 00006484400 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 00006484500 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 00006484538 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 00006483138 | NDC | HEPATITIS A VIRUS VACCINE | Hepatitis A (HAV) |
| 58160082546 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082552 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082543 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 54569588800 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082551 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082501 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082511 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082652 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082648 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082632 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082643 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082646 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006409606 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006409602 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006409601 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006409631 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006409609 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082601 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160082611 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 54569563100 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006483100 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006483101 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006483141 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 54569563200 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006484101 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006484141 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006484100 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006409502 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006409501 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 00006409509 | NDC | HEPATITIS A VIRUS VACCINE/PF | Hepatitis A (HAV) |
| 58160085001 | NDC | HEPATITIS A VIRUS VACCINE/HEPATITIS B VIRUS VACCINE | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160085011 | NDC | HEPATITIS A VIRUS VACCINE/HEPATITIS B VIRUS VACCINE | Hepatitis A / Hepatitis B (HAV/HBV) |
| 54569557800 | NDC | HEPATITIS A VIRUS VACCINE/HEPATITIS B VIRUS VACCINE | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160085046 | NDC | HEPATITIS A VIRUS VACCINE/HEPATITIS B VIRUS VACCINE | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160081552 | NDC | HEPATITIS A VIRUS AND HEPATITIS B VIRUS VACCINE/PF | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160081548 | NDC | HEPATITIS A VIRUS AND HEPATITIS B VIRUS VACCINE/PF | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160081532 | NDC | HEPATITIS A VIRUS AND HEPATITIS B VIRUS VACCINE/PF | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160081543 | NDC | HEPATITIS A VIRUS AND HEPATITIS B VIRUS VACCINE/PF | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160081546 | NDC | HEPATITIS A VIRUS AND HEPATITIS B VIRUS VACCINE/PF | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160081501 | NDC | HEPATITIS A VIRUS AND HEPATITIS B VIRUS VACCINE/PF | Hepatitis A / Hepatitis B (HAV/HBV) |
| 58160081511 | NDC | HEPATITIS A VIRUS AND HEPATITIS B VIRUS VACCINE/PF | Hepatitis A / Hepatitis B (HAV/HBV) |
| 00006498000 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 54569562800 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 00006487600 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 00006487200 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 00006487300 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 00006477500 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 00006477300 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160085701 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160085716 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 54868073400 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160086001 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160085711 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160085911 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 00006477600 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160085750 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160085746 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160085646 | NDC | HEPATITIS B VIRUS VACCINE, RECOMBINANT | Hepatitis B (HBV) |
| 58160082143 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 58160082132 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 58160082148 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 58160082146 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 58160082152 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 58160082111 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 58160082101 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006499201 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006499200 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 54868221900 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006499541 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006499501 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 54569563000 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 54868221901 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006499500 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006409406 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006409401 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006409409 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006409431 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006409402 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006409301 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006409309 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006409302 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006498100 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006498101 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 54569562900 | NDC | HEPATITIS B VIRUS VACCINE RECOMBINANT/PF | Hepatitis B (HBV) |
| 00006496300 | NDC | ZOSTER VACCINE LIVE/PF | Herpes Zoster (HZ) |
| 54868570300 | NDC | ZOSTER VACCINE LIVE/PF | Herpes Zoster (HZ) |
| 00006496301 | NDC | ZOSTER VACCINE LIVE/PF | Herpes Zoster (HZ) |
| 00006496341 | NDC | ZOSTER VACCINE LIVE/PF | Herpes Zoster (HZ) |
| 00005197067 | NDC | PNEUMOCOCCAL 7-VALENT CONJUGATE VACCINE (DIPHTHERIA CRM) | Pneumococcal (Conjugate) |
| 00005197050 | NDC | PNEUMOCOCCAL 7-VALENT CONJUGATE VACCINE (DIPHTHERIA CRM)/PF | Pneumococcal (Conjugate) |
| 00005197049 | NDC | PNEUMOCOCCAL 7-VALENT CONJUGATE VACCINE (DIPHTHERIA CRM)/PF | Pneumococcal (Conjugate) |
| 00005197102 | NDC | PNEUMOCOCCAL 13-VALENT CONJUGATE VACCINE (DIPHTHERIA CRM)/PF | Pneumococcal (Conjugate) |
| 00005197105 | NDC | PNEUMOCOCCAL 13-VALENT CONJUGATE VACCINE (DIPHTHERIA CRM)/PF | Pneumococcal (Conjugate) |
| 00005197101 | NDC | PNEUMOCOCCAL 13-VALENT CONJUGATE VACCINE (DIPHTHERIA CRM)/PF | Pneumococcal (Conjugate) |
| 54569661300 | NDC | PNEUMOCOCCAL 13-VALENT CONJUGATE VACCINE (DIPHTHERIA CRM)/PF | Pneumococcal (Conjugate) |
| 00006483702 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 00006489400 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 00006483703 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 00006483701 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 54868432000 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 54868333901 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 00006473950 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 00006473901 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 00006494301 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 00006494300 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 54569141200 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 00006473900 | NDC | PNEUMOCOCCAL 23-VALENT POLYSACCHARIDE VACCINE | Pneumococcal (Polysaccharide) |
| 49281027183 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 17478013101 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 00006413341 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 17478013010 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 14362011101 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 13533013100 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 14362011104 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 14362011103 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 21695041301 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 17478013100 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 13533013101 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADULT | Tetanus/Diphtheria (Td) |
| 49281021588 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADSORBED, ADULT/PF | Tetanus/Diphtheria (Td) |
| 49281029110 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADSORBED, ADULT/PF | Tetanus/Diphtheria (Td) |
| 49281021515 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADSORBED, ADULT/PF | Tetanus/Diphtheria (Td) |
| 49281029183 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADSORBED, ADULT/PF | Tetanus/Diphtheria (Td) |
| 21695060905 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADSORBED, ADULT/PF | Tetanus/Diphtheria (Td) |
| 49281021510 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADSORBED, ADULT/PF | Tetanus/Diphtheria (Td) |
| 49281021558 | NDC | TETANUS AND DIPHTHERIA TOXOIDS, ADSORBED, ADULT/PF | Tetanus/Diphtheria (Td) |
| 54569638600 | NDC | DIPHTHERIA,PERTUSSIS(ACELLULAR),TETANUS VACCINE | Tetanus/Diphtheria/Pertussis (Tdap) |
| 58160084201 | NDC | DIPHTHERIA,PERTUSSIS(ACELLULAR),TETANUS VACCINE | Tetanus/Diphtheria/Pertussis (Tdap) |
| 58160084211 | NDC | DIPHTHERIA,PERTUSSIS(ACELLULAR),TETANUS VACCINE | Tetanus/Diphtheria/Pertussis (Tdap) |
| 58160084243 | NDC | DIPHTHERIA,PERTUSSIS(ACELLULAR),TETANUS VACCINE | Tetanus/Diphtheria/Pertussis (Tdap) |
| 58160084246 | NDC | DIPHTHERIA,PERTUSSIS(ACELLULAR),TETANUS VACCINE | Tetanus/Diphtheria/Pertussis (Tdap) |
| 58160084232 | NDC | DIPHTHERIA,PERTUSSIS(ACELLULAR),TETANUS VACCINE | Tetanus/Diphtheria/Pertussis (Tdap) |
| 58160084251 | NDC | DIPHTHERIA,PERTUSSIS(ACELLULAR),TETANUS VACCINE | Tetanus/Diphtheria/Pertussis (Tdap) |
| 58160084252 | NDC | DIPHTHERIA,PERTUSSIS(ACELLULAR),TETANUS VACCINE | Tetanus/Diphtheria/Pertussis (Tdap) |
| 49281040058 | NDC | DIPHTHERIA,PERTUSSIS(ACELL),TETANUS VACCINE/PF | Tetanus/Diphtheria/Pertussis (Tdap) |
| 49281040010 | NDC | DIPHTHERIA,PERTUSSIS(ACELL),TETANUS VACCINE/PF | Tetanus/Diphtheria/Pertussis (Tdap) |
| 49281040088 | NDC | DIPHTHERIA,PERTUSSIS(ACELL),TETANUS VACCINE/PF | Tetanus/Diphtheria/Pertussis (Tdap) |
| 49281040015 | NDC | DIPHTHERIA,PERTUSSIS(ACELL),TETANUS VACCINE/PF | Tetanus/Diphtheria/Pertussis (Tdap) |
| 90632 | CPT | Hepatitis A vaccine (HepA), adult dosage, for intramuscular use | Hepatitis A (HAV) |
| 90636 | CPT | Hepatitis A and hepatitis B vaccine (HepA-HepB), adult dosage, for intramuscular use | Hepatitis A / Hepatitis B (HAV/HBV) |
| 90669 | CPT | Pneumococcal conjugate vaccine, 7 valent (PCV7), for intramuscular use | Pneumococcal (Conjugate) |
| 90670 | CPT | Pneumococcal conjugate vaccine, 13 valent (PCV13), for intramuscular use | Pneumococcal (Conjugate) |
| 90714 | CPT | Tetanus and diphtheria toxoids adsorbed (Td), preservative free, when administered to individuals 7 years or older, for intramuscular use | Tetanus/Diphtheria (Td) |
| 90715 | CPT | Tetanus, diphtheria toxoids and acellular pertussis vaccine (Tdap), when administered to individuals 7 years or older, for intramuscular use | Tetanus/Diphtheria/Pertussis (Tdap) |
| 90718 | CPT | Tetanus and diphtheria toxoids (Td) adsorbed when administered to individuals 7 years or older, for intramuscular use | Tetanus/Diphtheria (Td) |
| 90732 | CPT | Pneumococcal polysaccharide vaccine, 23-valent (PPSV23), adult or immunosuppressed patient dosage, when administered to individuals 2 years or older, for subcutaneous or intramuscular use | Pneumococcal (Polysaccharide) |
| 90736 | CPT | Zoster (shingles) vaccine (HZV), live, for subcutaneous injection | Herpes Zoster (HZ) |
| 90739 | CPT | Hepatitis B vaccine (HepB), adult dosage, 2 dose schedule, for intramuscular use | Hepatitis B (HBV) |
| 90740 | CPT | Hepatitis B vaccine (HepB), dialysis or immunosuppressed patient dosage, 3 dose schedule, for intramuscular use | Hepatitis B (HBV) |
| 90746 | CPT | Hepatitis B vaccine (HepB), adult dosage, 3 dose schedule, for intramuscular use | Hepatitis B (HBV) |
| 90747 | CPT | Hepatitis B vaccine (HepB), dialysis or immunosuppressed patient dosage, 4 dose schedule, for intramuscular use | Hepatitis B (HBV) |
| G0009 | HCPCS | Administration of pneumococcal vaccine | Pneumococcal (Unknown) |
| G0010 | HCPCS | Administration of hepatitis B vaccine | Hepatitis B (HBV) |
| Q3022 | HCPCS | Injection, hepatitis b vaccine, adult | Hepatitis B (HBV) |
| Q3023 | HCPCS | Injection, hepatitis b vaccine, immunosuppressed | Hepatitis B (HBV) |

1. “Subjects” refers to vaccine recipients throughout this work plan, and “members” refers to enrollees in the database. [↑](#footnote-ref-1)