



National Drug Code (NDC)

Best practices in NDC set up & billing in NextGen

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Revenue Cycle Management Performance Integrity Department

April 2022



Agenda



01

NDCs

How are NDCs different than HCPCS? How are NDCs determined? How to validate NDCs

02

Best Practices for NDC Set Up

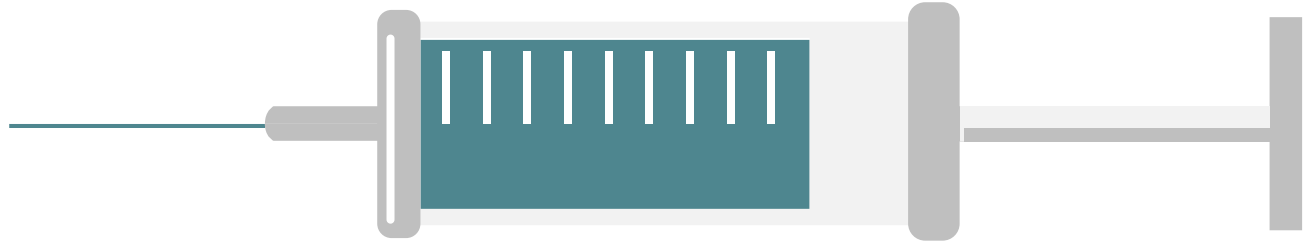
Best practices in NDC set up including: Naming convention(s), Basis of Measure (BOM), default Drug Count & Price

03

Other Considerations

Recommended Maintenance schedule, setting up multiple NDCs for the same HCPCS, Waste, Billing for compounded pharma, NDC denials codes, Q&A, resources.

Background & Nature of Issue



- Pharma billing can be complex because each line item is reported with both a CPT or HCPCS code as well as the National Drug Code (NDC) and the units for both of these items are calculated differently. Payers use the NDC to determine pricing and some practices may find that their entire reimbursement is driven by the NDC reporting for some payers. Medicare RAC auditors are focusing on recoupments when the implied dose of the NDC differ from the implied dose of the HCPCS for selected codes.
- Different payers may have different rules regarding NDC reporting
- NDC set up is key to successful pharma claims submission but charge capture operations are required to assure accuracy

A stylized graphic of a pill bottle, rendered in teal and white, positioned on the left side of the slide.

Section 1

How are NDCs different than HCPCS?

How are NDCs & the reporting format determined?

How to validate NDCs

Determining the HCPCS code Units

Mrs. Smith presents w/ a significant rash and the doctor orders an injection of Kenalog, 40mg.

The medical Assistant administers an intramuscular injection, documenting:

- Kenalog 20mg/ml 2ml Single dose vial (SDV)
- Lot # 12345
- Expiration: 12/2022

J3301 – Inj Kenalog, 10mg

40mg dose / 10mg per HCPCS unit

HCPCS units = 4 because the definition of J3301 is “per 10mg”

Determining the HCPCS units



- It's all in the definition of the HCPCS

- Per milligram (MG)
- Per 10 mg
- Per milliliter
- Per 250 milliliters
- Per international unit
- Per infusion / injection / implant

- Charge entry “Quantity”
- Box 24G of the form 1500
- No fractional units



24. A. DATE(S) OF SERVICE						B. PLACE OF SERVICE	C. EMG	D. PROCEDURES, SERVICES, OR SUPPLIES (Explain Unusual Circumstances)				E. DIAGNOSIS POINTER	F. \$ CHARGES	G. DAYS OR UNITS	H. EPSDT Family Plan	I. ID. QUAL.	J. RENDERING PROVIDER ID. #
MM	DD	YY	MM	DD	YY			CPT/HCPCS	MODIFIER								
N459148001665 UN1																	
10	01	05	10	01	05	11		J0400				1	250	00	40	N	NPI 0123456789

National Drug Codes (NDC)

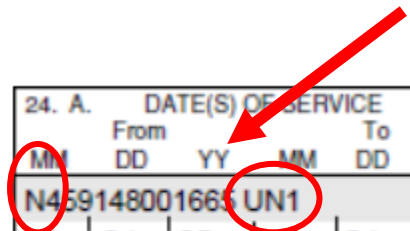
Prefix of “N4” -

Used by payors to assess cost of drugs and drive payment

BCBS, UHC, Cigna – all using NDC to drive provider compensation independently of the HCPCS

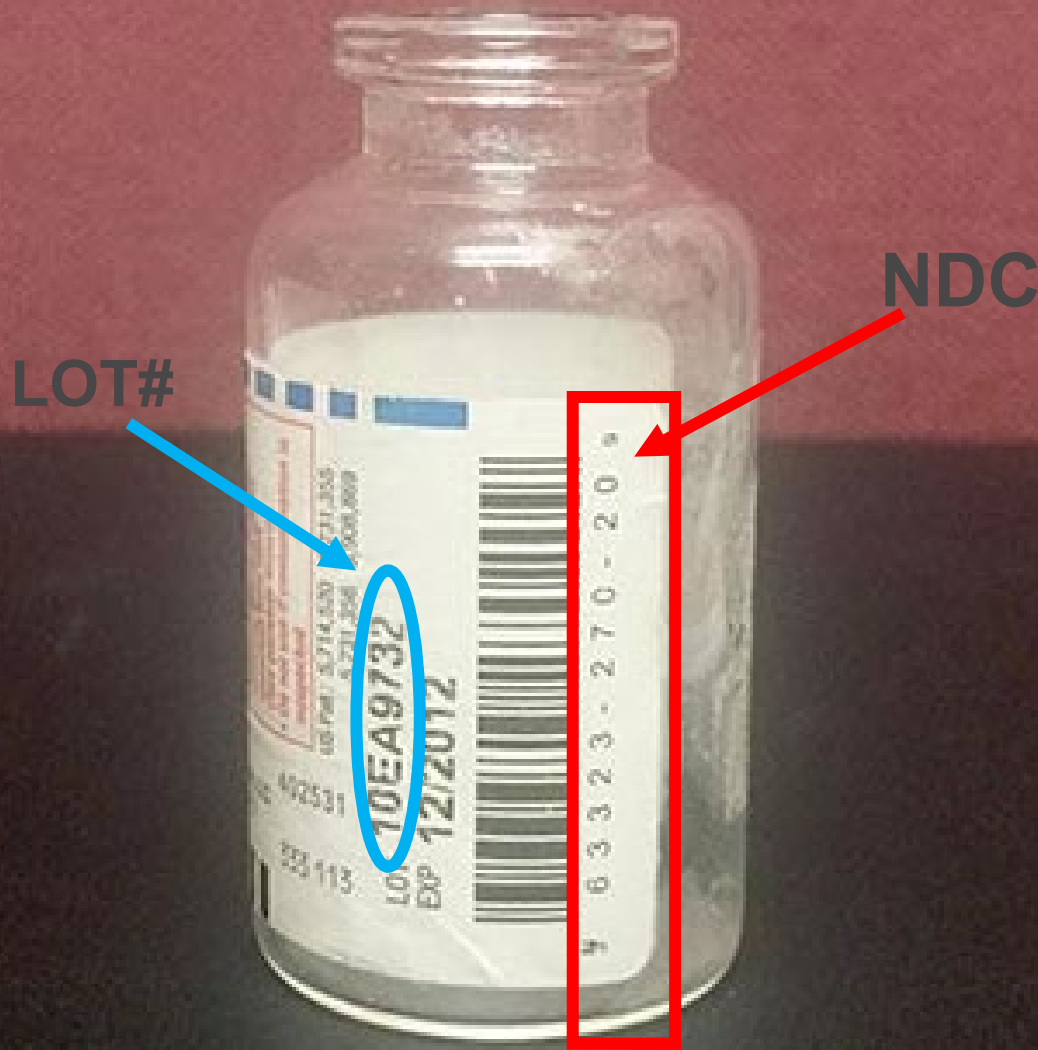
Medicare has required since 2005

Different insurance companies may require BOM be reported differently



24. A. DATE(S) OF SERVICE						B.	C.	D. PROCEDURES, SERVICES, OR SUPPLIES					E.	F.	G.	H.	I.	J.
From To						PLACE OF	EMG	(Explain Unusual Circumstances)					DIAGNOSIS	\$ CHARGES	DAYS	EPSDT	ID.	RENDERING
MM	DD	YY	MM	DD	YY	SERVICE		CPT/HCPCS	MODIFIER				POINTER		OR	Family	QUAL.	PROVIDER ID. #
N4	59	14	80	16	65	UN1										N	G2	12345678901
10	01	05	10	01	05	11		J0400					1	250	00	40	NPI	0123456789

Sources of NDCs



- Medication packaging
- Pharma Invoice
- NDC Express Phone App
- Optum: Drugreimbursement.com
- Drug Company website(s)
- NDC list database: <https://ndclist.com/>



NDC Format:



5



4



2

NDCs are always formatted for claims submission in 11 digits, in a 5-4-2 digit format.

NDCs that appear on the drug may not have 11 characters, so we add a leading zero to the segment that is not 5-4-2 digit format

NDCs on packages may be in 9,10 or 11 digits. (10 & 11 are the most common)

Given Format on Package	Correct Claim Format
1234-1234-12	0 1234-1234-12
12345-123-12	12345- 0 123-12
12345-1234-1	12345-1234- 01
123-1234-12	00 123-1234-12

Format of NDC – what does that tell the payer?

NDC 12345-123-01

Labeler Code Product Code Package Code

Labeler Code Product Code Package Code

NDC 0573-0150-20

Pfizer Consumer Healthcare Advil 24 tablets 1 bottle

NDCList.com

A stylized graphic of a pill bottle, rendered in teal and white, positioned on the left side of the slide.

Section 2

Best practices in NDC set up
Billing convention(s), Basis of Measure (BOM),
Default Drug Count & Price

NDC Set Up Best Practices – Naming Convention

- Generic Name
 - Abbreviate longer terms: ie: “hydrochloride = HCL”
- Brand Name in parenthesis
- Dose
- Form (powder, solution etc.)
- Volume
- Packaging convention:
 - SDV = single dose vial
 - MDV = multidose vial
 - PFS = prefilled syringe
 - SUS = single use syringe

NDC Set Up Best Practices – Naming Convention

Naming convention examples:

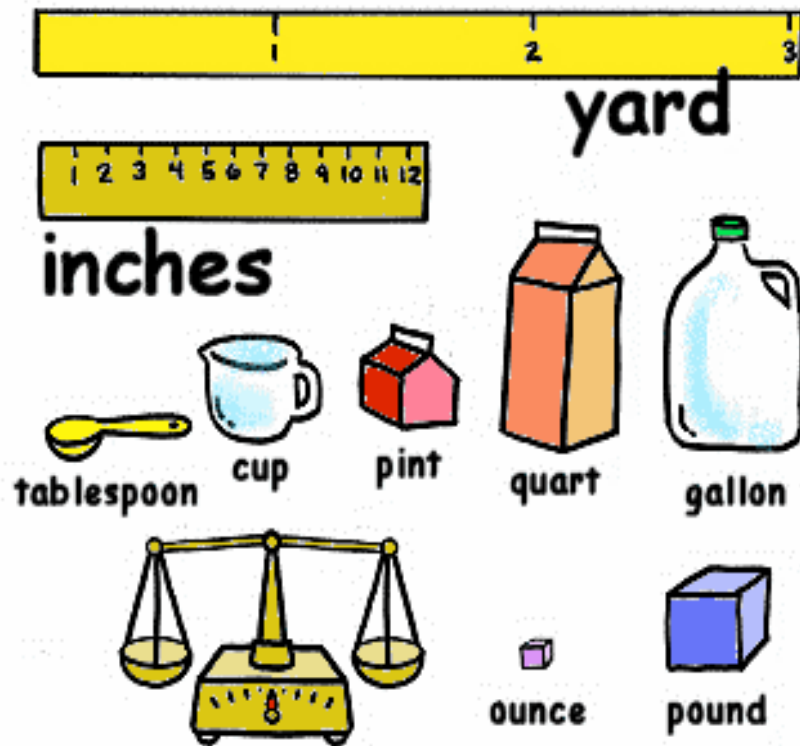
NDC: 72603-0401-01

Triamcinolone Acetonide (Kenalog) 40mg/ml, 10ML MDV

NDC: 66993-0371-79

Medroxyprogesterone acetate (Depo Provera) 150mg/ml, 1ML PFS

National Drug Code UOM / BOM



5 possible units of measure
(nucc.org)

- F2 – International unit
- ME – Milligram **✗**
- ML – Milliliter
- GR – Gram
- UN - Unit

NDC Set Up Best Practices – BOM

The basis of measure should be selected based upon the packaging of the drug.

UN = Single dose vials, single use syringes, prefilled syringes & drugs that are measured in “UNITS” (like botox), any drug that comes as a powder for reconstitution.

ML = ONLY drugs that come packaged as a solution (liquid) should have a BOM of ML. Multi dose vials that are liquid should be set up with a BOM of ML. Some payors (ie: Some Medicaid) require liquid drugs to be reported w/ BOM of ML.

GR = ONLY drugs whose dose is stated in grams per the packaging. (ie: gamma globulin)

ME = do not use. UHC, several BCBS, Aetna, Cigna and many state Medicaid have prohibition against using a BOM of ME.

FR = Drugs packaged as milliinternational or international units. (specialty hematology drugs, some hormones or vitamins (ie: D3)) IUs are not convertible to MG or ML w/o knowing the conversion factor (mcg/IU, mg/IU etc.)

NDC Set Up Best Practices – BOM

NDC: 72603-0401-01

Triamcinolone Acetonide (Kenalog) 40mg/ml, 10ML MDV

BOM: ML ** -> this is a multi-dose vial so it will be set up w/ ML

NDC: 66993-0371-79

Medroxyprogesterone acetate (Depo Provera) 150mg/ml, 1ML PFS

BOM: UN **-> this is a single-use prefilled syringe so it will be set up w/ UN, whereas “UN” stands for each PFS

NDC Set Up Best Practices – Drug Count

Drug count depends on the basis of measure (BOM) and the typical dose of the drug.

The default drug count may knowingly be incorrect and need to be altered on each claim after the drug is given.

Drug counts of “1” are most common except where the doses are fixed.

If a drug count is set to “1” for a drug whose BOM is ML and the dose given is $\frac{1}{2}$ of an ML, then the drug count on the claim will need to be altered to 0.5.

NDC Set Up Best Practices – BOM

NDC: 72603-0401-01

Triamcinolone Acetonide (Kenalog) 40mg/ml, 10ML MDV

BOM: ML ** -> this is a multi-dose vial so it will be set up w/ ML

Default Drug count: 1 ** *if a patient gets a 20mg injection, the drug count will need to be changed using the [RX] button on the claim to 0.5*

NDC: 66993-0371-79

Medroxyprogesterone acetate (Depo Provera) 150mg/ml, 1ML PFS

BOM: UN **-> this is a single-use prefilled syringe so it will be set up w/ UN, whereas “UN” stands for each PFS

Default Drug count: 1

NDC Set Up Best Practices – Drug Price

- **Reporting purposes ONLY** (P&L for pharma)
- Average Wholesale Price (AWP) per unit of the NDC
 - EncoderPro / Drugreimbursement.com
- Acquisition Cost

NDC Set Up Best Practices – BOM

NDC: 72603-0401-01

Triamcinolone Acetonide (Kenalog) 40mg/ml, 10ML MDV

BOM: ML

Default Drug count: 1

Price: \$8.11 (AWP on this vial is \$81.18, it's a 10ML vial, so each ML is \$8.11)

NDC: 66993-0371-79

Medroxyprogesterone acetate (Depo Provera) 150mg/ml, 1ML PFS

BOM: UN

Default Drug count: 1

Price: \$115.20 (AWP for each PFS)

NDC Set Up Best Practices – CPT Considerations

- NDCs are tied to CPT table – NOT SIM code table
- If several drugs or strengths of drugs require different NDCs to be reported, you may need to set up separate CPTs – not just separate SIMs & multiple NDCs
 - Example: Both Prolia & Xgeva are reported w/ the same HCPCS code but have different NDCs
 - J0897P – Prolia 60mg -> NDC: 55513-0710-01, BOM: UN, drug count = 1, HCPCS units = 60
 - J0897X – Xgeva 120mg -> NDC: 55513-0730-01, BOM: UN, drug count = 1, HCPCS units = 120

Determining the NDC Units on a Claim

Mrs. Smith presents w/ a significant rash and the doctor orders an injection of Kenalog, 40mg

The medical Assistant administers an intramuscular injection, documenting:

- Kenalog 20mg/ml 2ml Single dose vial (SDV)
- Lot # 12345
- Expiration: 12/2018

J3301 – Kenalog per 10mg (qty = 4)

NDC: 12345-1234-12

- BOM: ML
 - NDC units = 2
- BOM: UN (per sdv)
 - NDC units =1

Common Pharma found in FQHC

- 90651 Human Papillomavirus vaccine types
- 90670 Pneumococcal conjugate vaccine
- 90715 Tetanus, diphtheria toxoids and acellular pertussis vaccine (Tdap)
- J7307 Etonogestrel (contraceptive) implant system, including implant and supplies
- J7298 Levonorgestrel-releasing intrauterine contraceptive system
- J1050 Injection, medroxyprogesterone acetate

NDC Set Up

NDC ID (11 dig)	NDC Desc	CPT HCPCS *NOT SIM	Drug Price (use AWP or acquisition price)	Basis of Measure (BOM)	Drug Count	Effective Date
50090-4958-00	Human Papillomavirus 9-valent Vacc (Gardasil 9) 0.5ml PFS	90651	\$287	UN	1	1/1/2021
00005-1971-05	Pneumococcal 13-Valent Vaccine, Diphtheria Conjug (Prevnar 13) 0.5ml PFS	90670	\$281	UN	1	1/1/2021
78206-0145-01	Etonogestrel, (Nexplanon Implant) 68mg Implant	J7307	\$1,238	UN	1	1/1/2021
50090-1079-00	Pertussis Vac, Acellular/Reduced DT (Adacel) 2.5mcg,2IfU-5IfU 0.5ML SDV	90715	\$57.30	UN	1	1/1/2021

NDC List Maintenance

NDC List Name

NDC Library

General

Filter Criteria

Type the first number(s) of the NDCs you want to locate

90651

☐ Search for keyphrase anywhere

Search In:

☐ NDC ☐ Description ☒ CPT4

NDC Id	CPT4	Eff Date	Exp Date	NDC Description	Drug Unit Price	Basis of Measure	Drug Unit Count
00006-4119-01	90651	04/09/2019	12/31/2099	Gardasil 9 (Human Papillomavirus 9)	334.00	UN	1

Who/When

Hide

OK

Cancel

NDC List Maintenance

NDC List Name

NDC Library

General

Filter Criteria

Type the first number(s) of the NDCs you want to locate

90715

Search for keyphrase anywhere

Search in:

NDC

Description

CPT4

NDC Id	CPT4	Eff Date	Exp Date	NDC Description	Drug Unit Price	Basis of Measure	Dr
45281-0400-10	90715	07/07/2019	12/31/2039	Adacel (Pertussis Vac) 2.5MCG-28u-58u/0.5ML Susp, 0.5ML SD/V	61.00	UN	1
58160-0842-52	90715	04/05/2019	12/31/2039	Boostrix (Pertussis Vac) 18.5MCG-2.58U-58U/0.5ML Susp, 0.5ML SD Syringe	52.00	UN	1

4

Hide

OK

Cancel

Wholix

27

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healthcare

OK Cancel

[illegible]

NDC List Maintenance

NDC List Name
NDC Library

General

Filter Criteria
Type the first number(s) of the NDCs you want to locate
J1050 ☐ Search for keyphrase anywhere

Search in:
☐ NDC ☐ Description ☒ CPT4

NDC ID	CPT4	Eff Date	SP D	NDC Description	Drug Unit Price	Basis of Measure	Drug Unit Count
00009-7376-11	J1050	01/01/2020	12/	Depo-Provera (Medroxyprogesterone Acetate) 150MG/1ML Susp. 1ML SDV	65.94	ML	1
59762-4537-01	J1050	01/01/2017	12/	Medroxyprogesterone Acetate 150MG/1ML Vial	97.85	ML	1

OK Cancel



Section 3

Other Considerations

Recommended Maintenance schedule

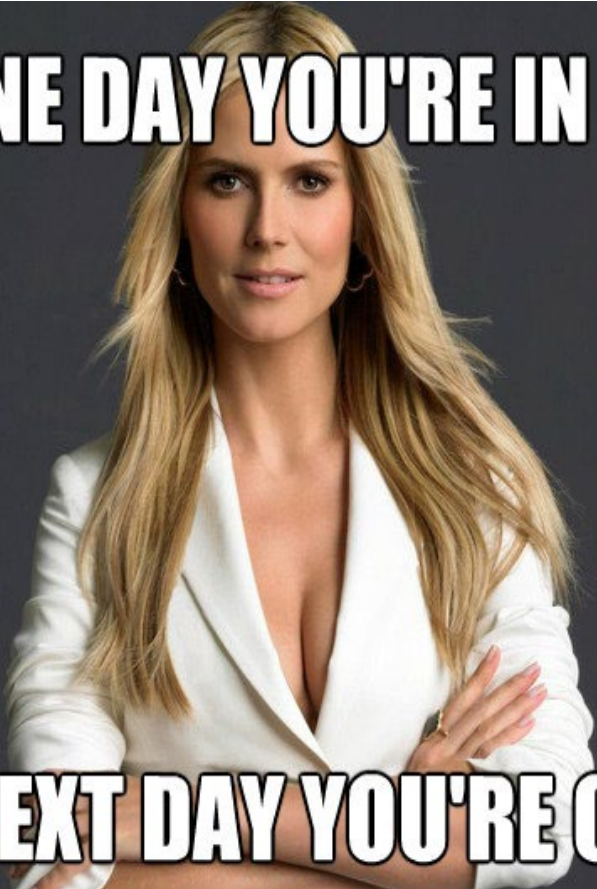
Multiple NDCs for the same HCPCS

Waste, Billing for compounded pharma & NDC denial codes

Q&A Resources

Q: When should you maintain your NDC library?

ONE DAY YOU'RE IN



THE NEXT DAY YOU'RE OUT

A: December & July

- CMS publishes NDC -> HCPCS & ASP files in December for new Jan in new FY.
 - NDC -> HCPCS January is largest list published all year, other lists (Apr, Jul, Oct) are adds / changes.



When is the juice worth the squeeze?

For common and inexpensive drugs it may not be worth setting up multiple NDCs.

Always set up NDCs for:

- High cost branded pharma
- Pharma under RAC issue 74
- Orphan drugs (always 1:1)
- High volume drugs w/ material cost
- Vaccines

NDC Billing on Waste

Waste is identified by using the JW modifier on the HCPCS code.

Reporting NDCs on waste line items is payer specific.

You cannot report the NDC twice (on the administered and the wasted line item) in the same dose.

Some payors want ALL the NDC dose reported on the administered line item & no NDC on waste.

Some payors want fractional NDCs reported.

(ie: if you use $\frac{1}{2}$ of a PFS and waste half, you would report the NDC twice, each line items w/ a drug count of 0.5)

Billing for Compounded Pharma

HCPCS are MAC or Payor specific

- J3490, J3590, *J7999, J9999 (REV code 0636 for UB)

HCPCS unit = 1 (in all cases)

Name & dosage must be on claim description (box 19)

NDCs are not required, but may be reported

Invoice required in 10/13 MACs

Priced per MAC / payor

- Some pay for taxes, compounding, S&H, some don't
- 95% of AWP

NDC Denial Codes

- M70 Alert: The NDC code submitted for this service was translated to a HCPCS code for processing, but please continue to submit the NDC on future claims for this item.
- M119 Missing/incomplete/invalid/ deactivated/withdrawn National Drug Code (NDC).
- N815 Missing/Incomplete/Invalid NDC Unit Count
- N816 Missing/Incomplete/Invalid NDC Unit of Measure
- N846 National Drug Code (NDC) supplied does not correspond to the HCPCS/CPT billed.
- N847 National Drug Code (NDC) billed is obsolete.
- N848 National Drug Code (NDC) billed cannot be associated with a product.

Questions?



Resources

RAC Issue 74 – Drugs & Biologicals: Incorrect Units

<https://www.cms.gov/Research-Statistics-Data-and-Systems/Monitoring-Programs/Medicare-FFS-Compliance-Programs/Recovery-Audit-Program/Approved-RAC-Topics-Items/0074-Excessive-or-Insufficient-Drugs-and-Biologicals>

When the implied dose of the HCPCS is in conflict w/ the implied dose of the NDC, this triggers a RAC audit.

Waste billing is also audited.



Microsoft Excel
Worksheet

Resources

Medicare Claims Processing Manual Chapter 17 - Drugs and Biologicals

<https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/Internet-Only-Manuals-IOMs-Items/CMS018912>



Adobe Acrobat
Document

Medicare Claims Processing Manual Chapter 17 - Drugs and Biologicals

Table of Contents
(Rev. 11/140, 12-02-21)

Transmittals for Chapter 17

- 10 - Payment Rules for Drugs and Biologicals
- 20 - Payment Allowance Limit for Drugs and Biologicals Not Paid on a Cost or Prospective Payment Basis
 - 20.1 - MMA Drug Pricing Average Sales Price
 - 20.1.1 - Online Pricing for Average Sales Price
 - 20.1.2 - Average Sales Price (ASP) Methodology
 - 20.1.3 - Exceptions to Average Sales Price (ASP) Payment Methodology
 - 20.2 - Single Drug Pricer (SDP)
- 20.3 - Calculation of the Payment Allowance Limit for DME MAC Drugs
 - 20.4 - Calculation of the AWP
 - 20.5 - Detailed Procedures for Determining AWP's and the Drug Payment Allowance Limits
 - 20.5.1 - Background
 - 20.5.2 - Review of Sources for Medicare Covered Drugs and Biologicals
 - 20.5.3 - Use of Generics
 - 20.5.4 - Find the Strength and Dosage
 - 20.5.5 - Restrictions
 - 20.5.6 - Inherent Reasonableness for Drugs and Biologicals
 - 20.5.7 - Injection Services
 - 20.5.8 - Injections Furnished to ESRD Beneficiaries
 - 20.5.9 - Annual Update of AWP Payment Allowance Limit for Vaccines
- 30 - A/B MAC (B) Distribution of Limit Amounts
- 40 - Discarded Drugs and Biologicals
 - 40.1 - Discarded Erythropoietin Stimulating Agents for Home Dialysis
- 50 - Assignment Required for Drugs and Biologicals
- 60 - DMEPOS Suppliers Require a License to Dispense Drugs
 - 60.1 - Prescription Drugs Billed by Suppliers Not Licensed to Dispense Them
- 70 - Claims Processing Requirements - General

Resources

Optum EncoderPro for Payers with Drug Reimbursement.com

Optum

EncoderPro.com for Payers Professional

Code Set Search

Image Search

DrugReimbursement.com Search

Index Only Search

NDC

Enter Term / Code

Search

Starts With

Contains

Active

Inactive

Help wi

Coding

Coding Guidelines

Compliance

Reimbursement

Revenue Codes

Policy Lookup

Optum Post-acute Care Library

Add-ons

Available Add-ons

NDC/HRI/UPC Crosscodes - 90651

▼To Bottom 00006411901 - 50090495800

NDC/HRI/UPC	Generic Name	Mfg./ Labeler	NDC/HRI/UPC Active/Inactive
00006411901	Human Papillomavirus 9-valent Vaccine, Recombinant	MERCK SHARP & DOHME CORP.	ACTIVE DATE: 12/10/2014
00006411902	Human Papillomavirus 9-valent Vaccine, Recombinant	MERCK SHARP & DOHME CORP.	INACTIVE DATE: 09/08/2016
00006411903	Human Papillomavirus 9-valent Vaccine, Recombinant	MERCK SHARP & DOHME CORP.	ACTIVE DATE: 12/11/2014
00006412102	Human Papillomavirus 9-valent Vaccine, Recombinant	MERCK SHARP & DOHME CORP.	ACTIVE DATE: 12/11/2014
50090244300	Human Papillomavirus 9-valent Vaccine, Recombinant	A-S MEDICATION SOLUTIONS LLC	ACTIVE DATE: 06/08/2018
54569667100	Human Papillomavirus 9-valent Vaccine, Recombinant	A-S MEDICATION SOLUTIONS LLC	INACTIVE DATE: 12/31/2018
50090495800	Human Papillomavirus 9-valent Vaccine, Recombinant	A-S MEDICATION SOLUTIONS LLC	ACTIVE DATE: 12/10/2020


Drug Detail - 50090495800 - GARDASIL 9

NDC/HRI/UPC Data		Drug Information		OPTUM360® Data	
NDC Data		Drug Description		HCPCS/CPT® Codes	
List of active ingredients for NDC:	Human Papillomavirus 9-valent Vaccine, Recombinant	Drug Billing NDC Code:	50090495800	HCPCS/CPT® Code:	90651
Strength of each ingredient:	Data not available	Generic Name:	Human Papillomavirus 9-valent Vaccine, Recombinant	Description:	Human Papillomavirus vaccine types 6, 11, 16, 18, 31, 33, 45, 52, 58, nonavalent (9vHPV), 2 or 3 dose schedule, for intramuscular use
Therapeutic Class:	8012010019 (Human Papillomavirus Vaccine)	Brand Name:	GARDASIL 9	Bill Unit:	Calculate Manually
Single Source Drug:	Yes	Form:	Suspension		
NDC Active Date:	12/10/2020	Strength:			
		Route of Administration:	Intramuscular		
		Product Category:	Rx Repackager/Innovator		

nextgen[®]
healthcare

Resources

NDC list codes – shows packaging very clearly: <https://ndclist.com/>



NDC LOOKUP

Home

Search

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Pricing

Pill ID

HCPCS Crosswalk

Updates

Animal NDC

Home

NDC Lookup

NDC Lookup

NDC Advanced Lookup

NDC Pricing Lookup

RxNorm Lookup

Drug Recalls Lookup

Pill Identifier Lookup

NDC LOOKUP

NDC PRODUCT CODE 72603-202

NDC CODE: 72603-202

Proprietary Name: **Triamcinolone Acetonide**

Non-Proprietary Name: *Triamcinolone Acetonide*


Drug Use Information

NDC 72603-202-01

Package Description: 1 VIAL, MULTI-DOSE in 1 CARTON > 5 mL in 1 VIAL, MULTI-DOSE

41

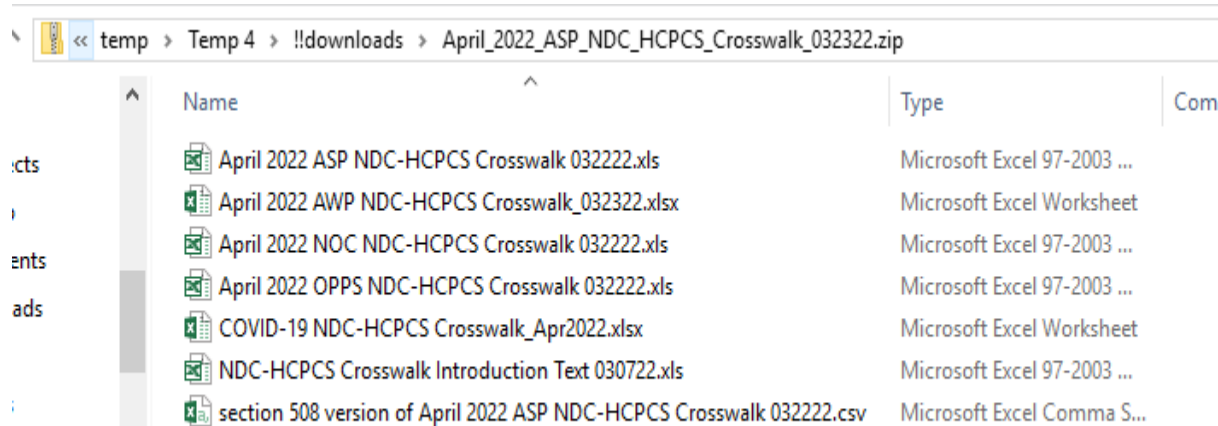
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Resources

Medicare Pharma ASP Files including HCPCS to NDC xwalk

<https://www.cms.gov/medicare/medicare-part-b-drug-average-sales-price/2022-asp-drug-pricing-files>



Name	Type	Com
April 2022 ASP NDC-HCPCS Crosswalk 032222.xls	Microsoft Excel 97-2003 ...	
April 2022 AWP NDC-HCPCS Crosswalk_032322.xlsx	Microsoft Excel Worksheet	
April 2022 NOC NDC-HCPCS Crosswalk 032222.xls	Microsoft Excel 97-2003 ...	
April 2022 OPDS NDC-HCPCS Crosswalk 032222.xls	Microsoft Excel 97-2003 ...	
COVID-19 NDC-HCPCS Crosswalk_Apr2022.xlsx	Microsoft Excel Worksheet	
NDC-HCPCS Crosswalk Introduction Text 030722.xls	Microsoft Excel 97-2003 ...	
section 508 version of April 2022 ASP NDC-HCPCS Crosswalk 032222.csv	Microsoft Excel Comma S...	

Downloads

- [April 2022 ASP Pricing File \(ZIP\)](#)
- [April 2022 NOC Pricing File \(ZIP\)](#)
- [April 2022 ASP NDC-HCPCS Crosswalk \(ZIP\)](#)
- [January 2022 ASP Pricing File - Updated 03/02/2022 \(ZIP\)](#)
- [January 2022 NOC Pricing File - Updated 03/02/2022 \(ZIP\)](#)
- [January 2022 ASP NDC-HCPCS Crosswalk \(ZIP\)](#)

April 2022 NDC - HCPCS Crosswalk for Medicare Part B Drugs Effective April 1, 2022 through June 30, 2022

The ASP crosswalks are maintained by the Division of Data Analysis and Market Based Pricing to support ASP-based Medicare Part B payments only. The crosswalks are intended to help the public (including entities that submit manufacturer ASP data and providers who bill for drugs) understand which drug products (identified by NDCs) are assigned to which HCPCS billing codes. The crosswalks are not intended to be a comprehensive list of all drugs/NDCs available in the United States. The NDC to HCPCS Crosswalk also includes information on the NDC package size and the number of billable units (as defined by the HCPCS code descriptor). Comments on the file may be sent to sec303aspdata@cms.hhs.gov.

HCPCS Code	Short Descriptor	LABELER NAME	NDC	DRUG NAME	HCPCS DOSAGE	PKG SIZE	PKG QTY	BILLUNIT S	BILLUN SPH
90653	liv adjuvant vaccine im	Seqirus	70461-0019-03	Fluad (2019/2020)	0.5 ML	0.5	10	1	1
90653	liv adjuvant vaccine im	Seqirus	70461-0020-03	Fluad (2020/2021)	0.5 ML	0.5	10	1	1
90662	liv no prsv increased ag im	Sanofi Pasteur	49281-0120-65	Fluzone High-Dose Quadrivalent (2020/2021)	0.7 ML	0.7	10	1	1
90662	liv no prsv increased ag im	Sanofi Pasteur	49281-0121-65	Fluzone High-Dose Quadrivalent (2021/2022)	0.7 ML	0.7	10	1	1
90662	liv no prsv increased ag im	Sanofi Pasteur	49281-0403-65	Fluzone High-Dose (2019/2020)	0.5 ML	0.5	10	1	1
90662	liv no prsv increased ag im	Sanofi Pasteur	49281-0405-65	Fluzone High-Dose (2019/2020)	0.5 ML	0.5	10	1	1
90670	PCV13 Vaccine IM	Wyeth/Pfizer U.S.	00005-1971-02	Pprevnar - 13	0.5 ML	0.5	10	1	1
90670	PCV13 Vaccine IM	Wyeth/Pfizer U.S.	00005-1971-05	Pprevnar - 13	0.5 ML	0.5	1	1	1
90671	PCV15 VACCINE IM	Merck	00006-4329-02	Vaxneuvance	1 EA	0.5	1	1	1
90671	PCV15 VACCINE IM	Merck	00006-4329-03	Vaxneuvance	1 EA	0.5	10	1	1
90672	Fluad vaccine intranasal	MedImmune	66019-0306-10	FluMist Quadrivalent (2019/2020)	0.2 ML	0.2	10	1	1

Resources

FDA NDC lookup – updated daily – but can be tricky to search

<https://www.accessdata.fda.gov/scripts/cder/ndc/index.cfm>

The screenshot displays the FDA National Drug Code Directory website. At the top, the FDA logo and 'U.S. FOOD & DRUG ADMINISTRATION' are visible. A navigation bar includes links for Home, Food, Drugs, Medical Devices, Radiation-Emitting Products, Vaccines, Blood & Biologics, Animal & Veterinary, Cosmetics, and Tobacco Products. Below the navigation bar, the page title 'National Drug Code Directory' is shown, followed by social media sharing options (Share, Tweet, LinkedIn, Pin It, Email, Print). A message states: 'The National Drug Code (NDC) Directory is updated daily. Current through: 4/20/2022'. Below this, there is a link to the 'NDC Application Programming Interface (API)'. The main search section is titled 'NDC finished products search' and includes a sub-header 'Search the NDC database for finished drug products'. A search form is present with a dropdown menu for 'Select Type' showing the following options: NDC Code, Proprietary Name, Application Number, Nonproprietary Name, NDC Code (highlighted), and Labeler.

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