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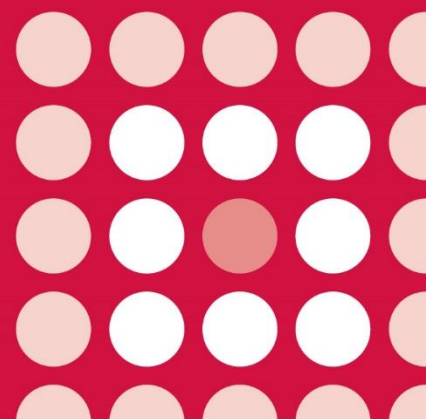
Welsh Analytical Prescribing Support Unit  
Uned Cymorth Presgripsiynu Dadansoddol Cymru

# National Prescribing Indicators 2022–2023 Specifications



May 2022

(January 2023 – ‘Best value biological medicines’ section updated with bevacizumab removed from basket of included medicines)



This report has been prepared by the Welsh Analytical Prescribing Support Unit (WAPSU), part of the All Wales Therapeutics and Toxicology Centre (AWTTC).

Please direct any queries to AWTTC:

All Wales Therapeutics and Toxicology Centre (AWTTC)  
The Routledge Academic Centre  
University Hospital Llandough  
Penlan Road  
Llandough  
Vale of Glamorgan  
CF64 2XX

[awttc@wales.nhs.uk](mailto:awttc@wales.nhs.uk)  
029 2182 6900

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## Introduction

The [National Prescribing Indicators \(NPIs\) 2022–2023](#) were developed by the All Wales Prescribing Advisory Group (AWPAG), and underwent a period of consultation prior to their endorsement by the All Wales Medicines Strategy Group (AWMSG).

This supplementary document details the specifications of each NPI including data source, drug baskets and targets/thresholds as appropriate for the NPIs 2022–2023.

Unless otherwise stated, for each NPI with a threshold, this is usually set at the 75<sup>th</sup> percentile (i.e. the prescribing rate of the best performing 25% of practices) for the quarter ending 31<sup>st</sup> December 2021, and is based on prescribing data for all general practices in Wales.

For those NPIs with a drug basket, the British National Formulary (BNF) medicine name and associated BNF coding structure within the Comparative Analysis System for Prescribing Audit (CASPA) have been listed for each medicine.

It should be noted that some of the drug baskets may contain medicines that have been discontinued. These are kept in the drug baskets for purposes of historic reporting and also to identify any prescribing of discontinued medicines.

NPI quarterly reports detailing health board values will be produced for quarters ending June 2022, September 2022, December 2022 and March 2023.

NPI data for GP practices, primary care clusters and health boards are available on the [Server for Prescribing Information Reporting and Analysis \(SPIRA\)](#).

## 1.0 Priority areas

### 1.1 Analgesics

#### 1.1.1 Opioid burden

**Data source:** NHS Wales Shared Services Partnership (NWSSP)

**Units of measure:**

1. Opioid burden average daily quantities (ADQs) per 1,000 patients.
2. High strength opioids (ADQs) per 1,000 patients.

**Targets for 2022–2023:**

1. Opioid burden – Maintain performance levels within the lower quartile (threshold: 3,460 ADQs per 1,000 patients), or show a reduction towards the quartile below.
2. High strength opioids – Maintain performance levels within the lower quartile (threshold: 76.7 ADQs per 1,000 patients), or show a reduction towards the quartile below.

**Numerators**

1. Opioid burden – ADQs of a user-defined group (UDG) of opioid medicines.

BNF Code	BNF Level	BNF Name
0407020	BNF sub-section	Opioid Analgesics
0407010F0	BNF chemical	Co-codamol (codeine phos/paracetamol)

2. High strength opioids – ADQs of a user-defined group (UDG) of opioid medicines.

BNF Code	BNF Level	BNF Name
0407020A0BJACAY	Preparation	Abstral_Tab Sublingual 300mcg
0407020A0BJADAZ	Preparation	Abstral_Tab Sublingual 400mcg
0407020A0BJAEBA	Preparation	Abstral_Tab Sublingual 600mcg
0407020A0BJAFBB	Preparation	Abstral_Tab Sublingual 800mcg
0407020ADBMAHAI	Preparation	Abtard_Tab 80mg M/r
0407020A0BCAEAN	Preparation	Actiq_Loz 1.2mg
0407020A0BCAFAP	Preparation	Actiq_Loz 1.6mg
0407020A0BCABAJ	Preparation	Actiq_Loz 400mcg
0407020A0BCACAK	Preparation	Actiq_Loz 600mcg
0407020A0BCADAL	Preparation	Actiq_Loz 800mcg
0407020B0BIACAG	Preparation	Bupeaze_Transdermal Patch 70mcg/hr(96hr)
0407020B0BIABAF	Preparation	Bupeaze_Transdermalpatch52.5mcg/hr(96hr)
0407020B0BNABAF	Preparation	Buplast_Transdermal Patch 52.5mcg/hr
0407020B0AAAFAP	Preparation	Buprenorphine_Patch 52.5mcg/hr (96hr)
0407020B0AAAGAG	Preparation	Buprenorphine_Patch 70mcg/hr (96hr)
0407020ADBGAEAI	Preparation	Candox_Tab 80mg M/r
0407020K0AACBCB	Preparation	Diamorph Hcl_Tab 10mg

<b>BNF Code</b>	<b>BNF Level</b>	<b>BNF Name</b>
0407020A0BBALAH	Preparation	Durogesic Dtrans_Patch 100mcg
0407020A0BBAJAF	Preparation	Durogesic Dtrans_Patch 50mcg
0407020A0BBAKAG	Preparation	Durogesic Dtrans_Patch 75mcg
0407020A0BKACBE	Preparation	Effentora_Tab Buccal 400mcg
0407020A0BQAEAH	Preparation	Fencino_Transdermal Patch 100mcg/hr
0407020A0BQACAF	Preparation	Fencino_Transdermal Patch 50mcg/hr
0407020A0BQADAG	Preparation	Fencino_Transdermal Patch 75mcg/hr
0407020A0BGABAF	Preparation	Fentalis Reservoir_T/derm Patch 50mcg/hr
0407020A0BGACAG	Preparation	Fentalis Reservoir_T/derm Patch 75mcg/hr
0407020A0BGADAH	Preparation	Fentalis Reservoir_T/derm Patch100mcg/hr
0407020A0AABUBU	Preparation	Fentanyl_Buccal Film 400mcg S/f
0407020A0AABPBP	Preparation	Fentanyl_Nsl Spy 400mcg (8d)
0407020A0AAANAN	Preparation	Fentanyl_Tab Buccal 1.2mg
0407020A0AAPAP	Preparation	Fentanyl_Tab Buccal 1.6mg
0407020A0AAAJAJ	Preparation	Fentanyl_Tab Buccal 400mcg
0407020A0AABEBE	Preparation	Fentanyl_Tab Buccal 400mcg S/f
0407020A0AAAKAK	Preparation	Fentanyl_Tab Buccal 600mcg
0407020A0AABFBF	Preparation	Fentanyl_Tab Buccal 600mcg S/f
0407020A0AAALAL	Preparation	Fentanyl_Tab Buccal 800mcg
0407020A0AABGBG	Preparation	Fentanyl_Tab Buccal 800mcg S/f
0407020A0AAAYAY	Preparation	Fentanyl_Tab Sublingual 300mcg S/f
0407020A0AAAZAZ	Preparation	Fentanyl_Tab Sublingual 400mcg S/f
0407020A0AABABA	Preparation	Fentanyl_Tab Sublingual 600mcg S/f
0407020A0AABBBB	Preparation	Fentanyl_Tab Sublingual 800mcg S/f
0407020A0AAHAHAH	Preparation	Fentanyl_Transdermal Patch 100mcg/hr
0407020A0AAAFAP	Preparation	Fentanyl_Transdermal Patch 50mcg/hr
0407020A0AAAGAG	Preparation	Fentanyl_Transdermal Patch 75mcg/hr
0407020Q0BMACAI	Preparation	Filnarine Sr_Tab 60mg
0407020B0BGABAF	Preparation	Hapoctasin_Patch 52.5mcg/hr
0407020B0BGACAG	Preparation	Hapoctasin_Patch 70mcg/hr
040702050AAAAAA	Preparation	Hydromorphone Hcl_Cap 16mg M/r
040702050AAABAB	Preparation	Hydromorphone Hcl_Cap 24mg M/r
0407020A0BNAEBL	Preparation	Instanyl_Nsl Spy 200mcg (10d)
0407020A0BNAFBM	Preparation	Instanyl_Nsl Spy 200mcg (20d)
0407020ADBEAFAP	Preparation	Longtec_Tab 120mg M/r
0407020ADBEADAH	Preparation	Longtec_Tab 40mg M/r
0407020ADBEAIAQ	Preparation	Longtec_Tab 60mg M/r
0407020ADBEAEAI	Preparation	Longtec_Tab 80mg M/r
0407020A0BEAEAH	Preparation	Matrifen_Patch 100mcg/hr
0407020A0BEACAF	Preparation	Matrifen_Patch 50mcg/hr
0407020A0BEADAG	Preparation	Matrifen_Patch 75mcg/hr

BNF Code	BNF Level	BNF Name
0407020A0BFACAF	Preparation	Mezolar Matrix_Transdermalpatch 50mcg/hr
0407020A0BFADAG	Preparation	Mezolar Matrix_Transdermalpatch 75mcg/hr
0407020A0BF AEAH	Preparation	Mezolar Matrix_Transdermalpatch100mcg/hr
0407020Q0BJACEB	Preparation	Morcap Sr_Cap 100mg
0407020P0AAACAC	Preparation	Morph Hcl_Suppos 30mg
0407020Q0AAGCGC	Preparation	Morph Sulf_Suppos 30mg
0407020Q0AAEBEB	Preparation	Morph Sulph_Cap 100mg M/r
0407020Q0AADVDV	Preparation	Morph Sulph_Cap 120mg M/r
0407020Q0AADWDW	Preparation	Morph Sulph_Cap 150mg M/r
0407020Q0AAEIEI	Preparation	Morph Sulph_Cap 200mg M/r
0407020Q0AAEHEH	Preparation	Morph Sulph_Cap 60mg M/r
0407020Q0AADUDU	Preparation	Morph Sulph_Cap 90mg M/r
0407020Q0AAA6A6	Preparation	Morph Sulph_Conc Soln 20mg/ml S/f
0407020Q0AADDDD	Preparation	Morph Sulph_Gran Sach 100mg M/r
0407020Q0AAEDEDE	Preparation	Morph Sulph_Gran Sach 200mg M/r
0407020Q0AADCDC	Preparation	Morph Sulph_Gran Sach 60mg M/r
0407020Q0AABMBM	Preparation	Morph Sulph_Suppos 30mg
0407020Q0AAAH AH	Preparation	Morph Sulph_Tab 100mg M/r
0407020Q0AAAGAG	Preparation	Morph Sulph_Tab 200mg M/r
0407020Q0AAAIAI	Preparation	Morph Sulph_Tab 60mg M/r
0407020Q0BNADAH	Preparation	Morphgesic Sr_Tab 100mg
0407020Q0BNACAI	Preparation	Morphgesic Sr_Tab 60mg
0407020Q0BBAIDD	Preparation	Mst Continus_Susp Gran Sach 100mg
0407020Q0BBAJDE	Preparation	Mst Continus_Susp Gran Sach 200mg
0407020Q0BBAHDC	Preparation	Mst Continus_Susp Gran Sach 60mg
0407020Q0BBADAH	Preparation	Mst Continus_Tab 100mg
0407020Q0BBAEAG	Preparation	Mst Continus_Tab 200mg
0407020Q0BBACAI	Preparation	Mst Continus_Tab 60mg
0407020Q0BIADDV	Preparation	Mxl_Cap 120mg
0407020Q0BIAEDW	Preparation	Mxl_Cap 150mg
0407020Q0BIAFDX	Preparation	Mxl_Cap 200mg
0407020Q0BIACDU	Preparation	Mxl_Cap 90mg
0407020A0BUAEAH	Preparation	Mylafent_Transdermal Patch 100mcg/hr
0407020A0BUACAF	Preparation	Mylafent_Transdermal Patch 50mcg/hr
0407020A0BRADAH	Preparation	Opiodur_Transdermal Patch 100mcg/hr
0407020A0BRAHAF	Preparation	Opiodur_Transdermal Patch 50mcg/hr
0407020A0BRACAG	Preparation	Opiodur_Transdermal Patch 75mcg/hr
0407020Q0BCABA6	Preparation	Oramorph_Oral Soln Conc 20mg/ml S/f
0407020A0BHADAH	Preparation	Osmach_Transdermal Patch 100mcg/hr
0407020A0BLADAH	Preparation	Osmanil_Transdermal Patch 100mcg/hr
0407020A0BLABAF	Preparation	Osmanil_Transdermal Patch 50mcg/hr

BNF Code	BNF Level	BNF Name
0407020A0BLACAG	Preparation	Osmanil_Transdermal Patch 75mcg/hr
0407020ADBLAEAH	Preparation	Oxeltra_Tab 40mg M/r
0407020ADBLADAQ	Preparation	Oxeltra_Tab 60mg M/r
0407020ADBLABAI	Preparation	Oxeltra_Tab 80mg M/r
0407020AFAAADAD	Preparation	Oxycodone Hcl/naloxonehcl_Tab 40/20mgm/r
0407020ADAAABAB	Preparation	Oxycodone Hcl_Oral Soln 10mg/1ml S/f
0407020ADAAAPAP	Preparation	Oxycodone Hcl_Tab 120mg M/r
0407020ADAAHAH	Preparation	Oxycodone Hcl_Tab 40mg M/r
0407020ADAAQAQ	Preparation	Oxycodone Hcl_Tab 60mg M/r
0407020ADAAIAI	Preparation	Oxycodone Hcl_Tab 80mg M/r
0407020ADBCAFAP	Preparation	Oxycontin_Tab 120mg M/r
0407020ADBCAHAR	Preparation	Oxycontin_Tab 30mg M/r
0407020ADBCACAH	Preparation	Oxycontin_Tab 40mg
0407020ADBCAGAQ	Preparation	Oxycontin_Tab 60mg M/r
0407020ADBCADAI	Preparation	Oxycontin_Tab 80mg
0407020ADBFADAH	Preparation	Oxylan_Tab 40mg M/r
0407020ADBFAIAH	Preparation	Oxylan_Tab 40mg M/r (actavis Uk Ltd)
0407020ADBFAEAI	Preparation	Oxylan_Tab 80mg M/r
0407020ADBBAEAE	Preparation	Oxynorm_Cap 20mg
0407020ADBBABAB	Preparation	Oxynorm_Liq Conc 10mg/1ml S/f
0407020AGBBAEAE	Preparation	Palexia_Sr Tab 150mg
0407020AGBBAFAF	Preparation	Palexia_Sr Tab 200mg
0407020AGBBAGAG	Preparation	Palexia_Sr Tab 250mg
0407020AGBBABAB	Preparation	Palexia_Tab 75mg
040702050BBAGAB	Preparation	Palladone-Sr_Cap 24mg
0407020A0BPABBP	Preparation	Pecfent_Nsl Spy 400mcg (8d)
0407020B0BPABAF	Preparation	Relevtec_Transdermal Patch 52.5mcg/hr
0407020B0BPACAG	Preparation	Relevtec_Transdermal Patch 70mcg/hr
0407020ADBKADAH	Preparation	Reltebon_Tab 40mg M/r
0407020ADBKAHAQ	Preparation	Reltebon_Tab 60mg M/r
0407020ADBKAEAI	Preparation	Reltebon_Tab 80mg M/r
0407020ADBJACAE	Preparation	Shortec_Cap 20mg
0407020AGAAAEAE	Preparation	Tapentadol Hcl_Tab 150mg M/r
0407020AGAAAFAF	Preparation	Tapentadol Hcl_Tab 200mg M/r
0407020AGAAAGAG	Preparation	Tapentadol Hcl_Tab 250mg M/r
0407020AGAAABAB	Preparation	Tapentadol Hcl_Tab 75mg
0407020AFBBADAD	Preparation	Targinact_Tab 40mg/20mg M/r
0407020B0BDABAF	Preparation	Transtec_Patch 52.5mcg/hr (30mg)
0407020B0BDACAG	Preparation	Transtec_Patch 70mcg/hr (40mg)
0407020B0BSABAF	Preparation	Turgeon_Transdermal Patch 52.5mcg/hr

BNF Code	BNF Level	BNF Name
0407020B0BSACAG	Preparation	Turgeon_Transdermal Patch 70mcg/hr
0407020A0BMADAH	Preparation	Victanyl_Transdermal Patch 100mcg/hr
0407020A0BMABAF	Preparation	Victanyl_Transdermal Patch 50mcg/hr
0407020A0BMACAG	Preparation	Victanyl_Transdermal Patch 75mcg/hr
0407020A0BVAEAH	Preparation	Yemex_Transdermal Patch 100mcg/hr
0407020A0BVACAF	Preparation	Yemex_Transdermal Patch 50mcg/hr
0407020A0BVADAG	Preparation	Yemex_Transdermal Patch 75mcg/hr
0407020Q0BKADEB	Preparation	Zomorph_Cap 100mg
0407020Q0BKAE EI	Preparation	Zomorph_Cap 200mg
0407020Q0BKACEH	Preparation	Zomorph_Cap 60mg

### **Denominators**

1,000 patients.

### **1.1.2 Tramadol**

**Data source:** NWSSP

**Unit of measure:** Tramadol defined daily dose (DDDs) per 1,000 patients.

**Target for 2022–2023:** Maintain performance levels within lower quartile (threshold: 287 DDDs per 1,000 patients), or show a reduction towards the quartile below.

### **Numerator**

DDDs of tramadol.

BNF Code	BNF Level	BNF Name
040702040	BNF chemical	Tramadol Hydrochloride

### **Denominator**

1,000 patients.

### 1.1.3 Gabapentin and pregabalin

**Data source:** NWSSP

**Unit of measure:** Gabapentin and pregabalin DDDs per 1,000 patients.

**Target for 2022–2023:** Maintain performance levels within lower quartile (threshold: 1,173 DDDs per 1,000 patients), or show a reduction towards the quartile below.

#### **Numerator**

DDDs of gabapentin and pregabalin.

BNF Code	BNF Level	BNF Name
0408010G0	BNF chemical	Gabapentin
0408010AE	BNF chemical	Pregabalin
0407030AA	BNF chemical	Pregabalin

#### **Denominator**

1,000 patients.

### 1.2 Anticoagulants in atrial fibrillation

**Data source:** Digital Health and Care Wales (DHCW)

**Unit of measure:** The number of patients diagnosed with AF who:

1. Have a CHA<sub>2</sub>DS<sub>2</sub>-VASc score of 2 or more who are currently prescribed an anticoagulant as a percentage of all patients diagnosed with AF.
2. Are currently prescribed an anticoagulant and have received an anticoagulant review (read codes 8BT3, 6A9, or 66QB) within the last 12 months, as a percentage of all patients diagnosed with AF who are prescribed an anticoagulant.
3. Are prescribed antiplatelet monotherapy, as a percentage of all patients diagnosed with AF.

#### **Target for 2022–2023:**

1. To increase the number of patients with AF and a CHA<sub>2</sub>DS<sub>2</sub>-VASc of 2 or more prescribed an anticoagulant.
2. To increase the number of patients with AF who are prescribed an anticoagulant and have received an anticoagulant review (read codes 8BT3, 6A9, or 66QB) within the last 12 months.
3. To reduce the number of patients with AF prescribed antiplatelet monotherapy.

#### **Numerators and denominators**

As per individual anticoagulant indicator. READ codes used in searches are available on request.

## 1.3 Antimicrobial stewardship

### 1.3.1 Total antibacterial items

**Data source:** NWSSP

**Units of measure:** Total antibacterial items per 1,000 specific therapeutic group age–sex related prescribing units (STAR-PU).

#### **Targets for 2022–2023:**

Health board target: a quarterly reduction of 5% against a baseline of data from April 2019–March 2020.

	Quarter ending June		Quarter ending September		Quarter ending December		Quarter ending March	
	2019 data	2022 target	2019 data	2022 target	2019 data	2022 target	2020 data	2023 target
<b>Aneurin Bevan</b>	272	258	259	246	315	300	315	300
<b>Betsi Cadwaladr</b>	260	247	255	242	305	290	293	279
<b>Cardiff and Vale</b>	243	231	239	227	287	273	279	265
<b>Cwm Taf Morgannwg</b>	303	288	290	276	345	328	348	331
<b>Hywel Dda</b>	274	260	263	249	313	297	310	295
<b>Powys</b>	227	216	227	216	262	249	261	248
<b>Swansea Bay</b>	294	279	279	265	337	320	324	308

GP practice target: maintain performance levels within lower quartile, or show a reduction towards the quartile below, based on quarterly data from April 2021–March 2022.

	Quarter ending June	Quarter ending September	Quarter ending December	Quarter ending March
<b>Threshold (items per 1,000 STAR-PU)</b>	185	206	238	TBC

#### **Numerator**

All antibacterial items.

BNF Code	BNF Level	BNF Name
0501	BNF section	Antibacterial drugs

#### **Denominator**

1,000 STAR-PU.

### 1.3.2 4C antimicrobials

**Data source:** NWSSP

**Unit of measure:** Co-amoxiclav, cephalosporin, fluoroquinolone and clindamycin (4C antimicrobials) items combined, per 1,000 patients.

**Targets for 2022–2023:**

Health board target: A quarterly reduction of 10% against a baseline of data from April 2019–March 2020.

	Quarter ending June		Quarter ending September		Quarter ending December		Quarter ending March	
	2019 data	2022 target	2019 data	2022 target	2019 data	2022 target	2020 data	2023 target
<b>Aneurin Bevan</b>	9.62	8.66	9.26	8.33	9.96	8.96	10.1	9.06
<b>Betsi Cadwaladr</b>	12.7	11.4	12.9	11.6	12.5	11.3	12.7	11.5
<b>Cardiff and Vale</b>	8.81	7.93	8.83	7.94	8.98	8.09	9.31	8.38
<b>Cwm Taf Morgannwg</b>	15.9	14.3	15.6	14.0	15.8	14.2	15.2	13.6
<b>Hywel Dda</b>	14.3	12.8	13.7	12.4	13.5	12.1	13.3	12.0
<b>Powys</b>	11.1	10.0	11.5	10.3	11.4	10.2	11.8	10.7
<b>Swansea Bay</b>	13.9	12.5	13.3	12.0	13.6	12.2	12.8	11.5

GP practice target: maintain performance levels within lower quartile, or show a reduction towards the quartile below, based on quarterly data from April 2021–March 2022.

	Quarter ending June	Quarter ending September	Quarter ending December	Quarter ending March
<b>Threshold (4C items per 1,000 patients)</b>	6.92	6.98	7.28	TBC

**Numerator**

Items of co-amoxiclav, cephalosporins, fluoroquinolones and clindamycin.

BNF Code	BNF Level	BNF Name
0501013K0	BNF chemical	Co-Amoxiclav (amoxicillin/clavul Acid)
0501020B0	BNF chemical	Cefaclor
0501020D0	BNF chemical	Cefadroxil
0501020E0	BNF chemical	Cefixime
0501020F0	BNF chemical	Cefotaxime sodium
0501020I0	BNF chemical	Cefpodoxime
0501020K0	BNF chemical	Ceftriaxone sodium

<b>BNF Code</b>	<b>BNF Level</b>	<b>BNF Name</b>
0501020L0	BNF chemical	Ceftazidime Pentahydrate
0501020P0	BNF chemical	Cefuroxime sodium
0501020Q0	BNF chemical	Cefuroxime axetil
0501020R0	BNF chemical	Cefalexin
0501020W0	BNF chemical	Cefradine
0501021	BNF sub section	Cephalosporins
0501120	BNF sub section	Quinolones
0501060	BNF sub section	Clindamycin

***Denominator***

1,000 patients.

## 1.4 Decarbonisation of inhalers

**Data source:** NWSSP

**Unit of measure:** Number of DPIs and SMIs as a percentage of all inhalers prescribed.

**Target for 2022–2023:** Maintain performance levels within upper quartile (threshold: 34.1%), or show an increase towards the quartile above.

### Numerator

DPI and SMI items.

BNF Code	BNF Level	BNF Name
0302000K0BDABAM	Preparation	Symbicort_Turbohaler 200mcg/6mcg (120 D)
0301020Q0AAABAB	Preparation	Tiotropium_Pdr For Inh Cap 18mcg
0301020Q0BCAAAD	Preparation	Braltus_Pdr For Inh Cap 10mcg+zonda Inh
0302000K0BDACAU	Preparation	Symbicort_Turbohaler 400mcg/12mcg (60 D)
0302000V0BCAAA0	Preparation	Trelegy Ellipta_Inha 92/55/22mcg (30 D)
0302000N0BCACAZ	Preparation	Seretide 500_Accuhaler 500mcg/50mcg(60d)
0301011Y0BBABAB	Preparation	Relvar Ellipta_Inha 92mcg/22mcg (30 D)
0301040U0BBAAAA	Preparation	Anoro Ellipta_Inha 65mcg/22mcg (30d)
0302000K0BHAAAM	Preparation	Duoresp Spiromax_Inh 160mcg/4.5mcg(120d)
0302000N0BCABAY	Preparation	Seretide 250_Accuhaler 250mcg/50mcg(60d)
0301040U0BCAAB	Preparation	Incruse Ellipta_Inh 55mcg (30d)
0301020Q0BBABAB	Preparation	Spiriva_Pdr For Inh Cap 18mcg Ref
0302000K0BDAAAL	Preparation	Symbicort_Turbohaler 100mcg/6mcg (120 D)
0302000K0BHABAU	Preparation	Duoresp Spiromax_Inh 320mcg/9mcg (60 D)
0301020Q0BBACAC	Preparation	Spiriva Respimat_Inha 2.5mcg (60d) + Dev
0301011Y0BBAAAA	Preparation	Relvar Ellipta_Inha 184mcg/22mcg (30 D)
0301011A0BBAAAA	Preparation	Ultibro Breezhaler_Pdr Inh Cap 85/54mcg
0302000N0AAAZAZ	Preparation	Gppe Pdr For Inh_Seretide 500 (60 D)
0301020S0BBAAAA	Preparation	Seebri_Breezhaler Inh Cap 55mcg + Dev
0302000K0AAAMAM	Preparation	Gppe Pdr For Inhb/a_Symbicort 200/6(120d)
0302000C0BRAABY	Preparation	Fostair Nexthaler_Inh 100mcg/6mcg (120d)
0301020R0BBAAAA	Preparation	Eklira_Inh 322mcg (60d) (genuair)
0302000N0AAAYAY	Preparation	Gppe Pdr For Inh_Seretide 250 (60 D)
0302000K0AAAUAU	Preparation	Gppe Pdr For Inhb/a_Symbicort 400/12(60d)
0302000N0BCAAAX	Preparation	Seretide 100_Accuhaler 100mcg/50mcg(60d)
0301020Q0AAACAC	Preparation	Tiotropium_Inha 2.5mcg (60d) Cff + Dev
0301040X0BBAAAA	Preparation	Spiolto Respimat_Inha2.5/2.5mcg(60d)+dev
0301020Q0AAAAAA	Preparation	Tiotropium_Pdr For Inh Cap 18mcg + Dev
0301040V0BBAAAA	Preparation	Duaklir Genuair_340mcg/12mcg (60d)
0301011R0BEAHAQ	Preparation	Ventolin_Accuhaler 200mcg (60 D)
0302000C0BRABCA	Preparation	Fostair Nexthaler_Inh 200mcg/6mcg (120d)

BNF Code	BNF Level	BNF Name
0302000K0AAALAL	Preparation	Gppe Pdr For Inhb/a_Symbicort 100/6(120d
0302000N0BGAAAZ	Preparation	Airflusal Forspiro_Inh 500/50mcg (60d)
0301011U0AAAEAE	Preparation	Salmeterol_Pdr For Inh 50mcg (60 D)
0301020Q0BBAAAA	Preparation	Spiriva_Pdr For Inh Cap 18mcg+handihaler
0302000N0AAAXAX	Preparation	Gppe Pdr For Inh_Seretide 100 (60 D)
0302000K0BBAHAG	Preparation	Pulmicort_Turbohaler 200mcg (100 D)
0301011V0BBARBB	Preparation	Bricanyl_Turbohaler 500mcg (120 D)
0301011V0AABBBB	Preparation	Terbut Sulf_B/a Inha 500mcg (120 D)
0301040U0AAABAB	Preparation	Umeclidinium Brom_Inh 65mcg (30d)
0301020R0AAAAAA	Preparation	Acidinium Brom_Pdr For Inh 375mcg (60d)
0302000K0AAAGAG	Preparation	Budesonide_Pdr For Inh 200mcg (100 D)
0301020S0AAAAAA	Preparation	Glycopyrronium Brom_Inh Cap 55mcg + Dev
0302000K0BBAKAK	Preparation	Pulmicort_Turbohaler 100mcg (200 D)
0302000N0BBATAT	Preparation	Flixotide_Accuhaler 250mcg (60 D)
0301011E0BCABAC	Preparation	Oxis 12_Turbohaler 12mcg (60 D)
0301011R0BWABZ	Preparation	Easyhaler_Salbutamol Sulph 100mcg (200d)
0302000K0BBAIAH	Preparation	Pulmicort_Turbohaler 400mcg (50 D)
0301011X0BBAAAA	Preparation	Onbrez Breezhaler_Pdr Inh Cap 150mcg+dev
0301011E0BEAAAE	Preparation	Easyhaler_Formoterol 12mcg (120 D)
0301011Y0AAABAB	Preparation	Fluticasone/vilanterol_Inha 92/22mcg 30d
0302000N0AAATAT	Preparation	Fluticasone Prop_Pdr For Inh 250mcg(60d)
0301040U0AAAAAA	Preparation	Umeclidinium Brom_Inha 65mcg/22mcg (30d)
0301011R0BWABCA	Preparation	Easyhaler_Salbutamol Sulph 200mcg (200d)
0302000C0BNAABU	Preparation	Easyhaler_Beclomet 200mcg (200 D)
0301011R0AAAQAQ	Preparation	Salbutamol_Pdr For Inh 200mcg (60 D)
0301020Q0BBADAE	Preparation	Spiriva Respimat_Inhsoln 2.5mcg (60d)ref
0302000K0BIACAM	Preparation	Fobumix_Easyhaler 160mcg/4.5mcg (120 D)
0302000K0AAAKAK	Preparation	Budesonide_Pdr For Inh 100mcg (200 D)
0302000N0AAASAS	Preparation	Fluticasone Prop_Pdr For Inh 100mcg(60d)
0302000N0BBASAS	Preparation	Flixotide_Accuhaler 100mcg (60 D)
0302000K0AAHAH	Preparation	Budesonide_Pdr For Inh 400mcg (50 D)
0302000N0BBAUUAU	Preparation	Flixotide_Accuhaler 500mcg (60 D)
0301011Y0AAAAAA	Preparation	Fluticasone/vilanterol_Inha 184/22mcg30d
0302000K0BGABAX	Preparation	Easyhaler_Budesonide 200mcg (200 D)
0301020Q0AAADAD	Preparation	Tiotropium_Pdr For Inh Cap 10mcg + Dev
0302000N0AAAUUAU	Preparation	Fluticasone Prop_Pdr For Inh 500mcg(60d)
0301011X0AAAAAA	Preparation	Indacaterol Mal_Pdr Inh Cap 150mcg + Dev
0301011E0AAACAC	Preparation	Formoterol Fumar_Pdr For Inh 12mcg(60 D)
0302000K0BGAAAK	Preparation	Easyhaler_Budesonide 100mcg (200 D)
0302000C0AABYBY	Preparation	Beclomet/formoterol_Inh 100/6 (120d) Dry
0301040V0AAAAAA	Preparation	Acid/formot_Pdrfor Inh 396/11.8mcg(60d)

BNF Code	BNF Level	BNF Name
0301011AAAAAAA	Preparation	Indacaterol/glycopy_Pdr Inh Cap 85/54mcg
0301040X0BBABAB	Preparation	Spiolto Respimat_Inh 2.5/2.5mcg (60d)ref
0302000C0AACACA	Preparation	Beclomet/formoterol_Inh 200/6 (120d) Dry
0301011E0BCAAAB	Preparation	Oxis 6_Turbohaler 6mcg (60 D)
0302000K0BIAAAU	Preparation	Fobumix_Easyhaler 320mcg/9mcg (60 D)
0301040X0AAAAAA	Preparation	Tiotropium/olodaterol_Inha2.5/2.5mcg+dev
0301011E0AAAAAA	Preparation	Formoterol Fumar_Pdr Inh Cap 12mcg +dev
0302000K0BGACAY	Preparation	Easyhaler_Budesonide 400mcg (100 D)
0301011E0AAABAB	Preparation	Formoterol Fumar_Pdr For Inh 6mcg (60 D)
0301011E0BBAAAA	Preparation	Foradil_Inh Cap 12mcg + Inha
0301011E0AAAEAE	Preparation	Formoterol Fumar_Pdr For Inh 12mcg(120d)
0301011R0AABZBZ	Preparation	Salbutamol_Pdr For Inh 100mcg (200 D)
0302000N0BHAAAZ	Preparation	Aerivio Spiromax_Inh 500/50mcg (60d)
0302000K0BIABBC	Preparation	Fobumix_Easyhaler 160mcg/4.5mcg (60 D)
0302000N0BBARAR	Preparation	Flixotide_Accuhaler 50mcg (60 D)
0302000N0BMAAAZ	Preparation	Stalpex_Inha 500/50mcg (60 D)
0302000K0BIADAL	Preparation	Fobumix_Easyhaler 80mcg/4.5mcg (120 D)
0302000N0AAARAR	Preparation	Fluticasone Prop_Pdr For Inh 50mcg (60d)
0301011R0AACACA	Preparation	Salbutamol_Pdr For Inh 200mcg (200 D)
0302000N0BNABAY	Preparation	Fixkoh Airmaster 50microg/dose / 250microg/dose Dry Pdr Inh
0301020Q0AAAEAE	Preparation	Tiotropium_Inh Soln 2.5mcg (60d) Ref Cff
0301011Z0BBAAAA	Preparation	Striverdi Respimat_Inha 2.5mcg (60d)+dev
0301011X0BBABAB	Preparation	Onbrez Breezhaler_Pdr Inh Cap 300mcg+dev
0302000N0BKAAAY	Preparation	Fusacomb Easyhaler_Inha 250/50mcg (60 D)
0302000N0BKABAZ	Preparation	Fusacomb Easyhaler_Inha 500/50mcg (60 D)
0301011X0AAABAB	Preparation	Indacaterol Mal_Pdr Inh Cap 300mcg + Dev
0302000C0AABUBU	Preparation	Beclomet Diprop_Pdr For Inh 200mcg(200 D)
0302000N0BNACAX	Preparation	Fixkoh Airmaster 50microg/dose / 100microg/dose Dry Pdr Inh
0302000R0AAABAB	Preparation	Mometasone Fur_Pdr For Inh 200mcg (60 D)
0302000R0BBADAD	Preparation	Asmanex Twisthaler_D/p Inh 400mcg (60 D)
0302000R0AADAD	Preparation	Mometasone Fur_Pdr For Inh 400mcg (60 D)
0302000R0BBABAB	Preparation	Asmanex Twisthaler_D/p Inh 200mcg (60 D)
0302000R0AAAAAA	Preparation	Mometasone Fur_Pdr For Inh 200mcg (30 D)
0301011Z0AAAAAA	Preparation	Olodaterol_Inha 2.5mcg (60d) Cff + Dev
0302000K0BFABAC	Preparation	Novolizer_Budesonide Inh 200mcg 100d Ref
0301040X0AAABAB	Preparation	Tiotropium/olodat_Inh 2.5/2.5mcg(60d)ref
0302000K0BFAAAV	Preparation	Novolizer_Budesonide Inh 200mcg (100 D)
0302000N0AABNBN	Preparation	Fluticasone/vilanterol_Inha 92/22mcg 30d
0302000W0BBAAAA	Preparation	Enerzair Breezhaler 114microg / 46microg / 136microg/dose

BNF Code	BNF Level	BNF Name
0302000R0AAACAC	Preparation	Mometasone Fur_Pdr For Inh 400mcg (30 D)
0301011R0BXAACB	Preparation	Novolizer_Salbulin Inh 100mcg (200d)+dev
0302000K0AAAVAV	Preparation	Budesonide_Pdr For Inh 200mcg (100d)+dev
0302000R0BBAAAA	Preparation	Asmanex Twisthaler_D/p Inh 200mcg (30 D)
0301011R0AACBCB	Preparation	Salbutamol_Pdr For Inh 100mcg (200d)+dev
0301011R0BXABCC	Preparation	Novolizer_Salbulin Inh 100mcg (200d) Ref
0301011Z0BBABAB	Preparation	Striverdi Respimat_Inh 2.5mcg (60d) Ref
0302000R0BBACAC	Preparation	Asmanex Twisthaler_D/p Inh 400mcg (30 D)
0302000K0AAAWAW	Preparation	Budesonide_Pdr For Inh 200mcg (100d) Ref
0301011Z0AAABAB	Preparation	Olodaterol_Inh Soln 2.5mcg (60d) Ref Cff
0301011R0AACCCC	Preparation	Salbutamol_Pdr For Inh 100mcg (200d) Ref
0301040X0BCAAAA	Preparation	Yanimo Respimat_Inha2.5/2.5mcg(60d)+dev

### **Denominator**

All inhaler items.

BNF Code	BNF Level	BNF Name
0302000C0BQAABX	Preparation	Fostair_Inh 100mcg/6mcg (120d) Cff
0302000K0BDABAM	Preparation	Symbicort_Turbohaler 200mcg/6mcg (120 D)
0301020Q0AAABAB	Preparation	Tiotropium_Pdr For Inh Cap 18mcg
0302000N0BCAFBG	Preparation	Seretide 250_Evohaler 250mcg/25mcg(120d)
0301020Q0BCAAAD	Preparation	Braltus_Pdr For Inh Cap 10mcg+zonda Inh
0302000K0BDACAU	Preparation	Symbicort_Turbohaler 400mcg/12mcg (60 D)
0302000V0BCAAA0	Preparation	Trelegy Ellipta_Inha 92/55/22mcg (30 D)
0301011ABBBAAA0	Preparation	Trimbow_Inh 87mcg/5mcg/9mcg (120 D)
0302000N0BCACAZ	Preparation	Seretide 500_Accuhaler 500mcg/50mcg(60d)
0301011R0BEAIAP	Preparation	Ventolin_Evohaler 100mcg (200 D)
0301011Y0BBABAB	Preparation	Relvar Ellipta_Inha 92mcg/22mcg (30 D)
0302000N0BDABBK	Preparation	Flutiform_Inha 250/10mcg (120 D)
0301040U0BBAAAA	Preparation	Anoro Ellipta_Inha 65mcg/22mcg (30d)
0302000C0BPABBF	Preparation	Clenil Modulite_Inha 100mcg (200d)
0302000N0BCAEBF	Preparation	Seretide 125_Evohaler 125mcg/25mcg(120d)
0302000K0BHAAAM	Preparation	Duoresp Spiromax_Inh 160mcg/4.5mcg(120d)
0302000C0BQABBZ	Preparation	Fostair_Inh 200mcg/6mcg (120d) Cff
0302000N0BCABAY	Preparation	Seretide 250_Accuhaler 250mcg/50mcg(60d)
0301040U0BCAAAB	Preparation	Incruse Ellipta_Inh 55mcg (30d)
0302000N0AABGBG	Preparation	Gppe Inha_Seretide 250 Evohaler(120d)cff
0301020Q0BBABAB	Preparation	Spiriva_Pdr For Inh Cap 18mcg Ref
0302000N0BFABBG	Preparation	Sirdupla_Inh 250mcg/25mcg (120d)
0302000C0BPACBV	Preparation	Clenil Modulite_Inha 200mcg (200d)
0302000K0BDAAAL	Preparation	Symbicort_Turbohaler 100mcg/6mcg (120 D)
0302000K0BHABAU	Preparation	Duoresp Spiromax_Inh 320mcg/9mcg (60 D)

BNF Code	BNF Level	BNF Name
0301020Q0BBACAC	Preparation	Spiriva Respimat_Inha 2.5mcg (60d) + Dev
0302000N0BDAABJ	Preparation	Flutiform_Inha 125/5mcg (120 D)
0301011Y0BBAAAA	Preparation	Relvar Ellipta_Inha 184mcg/22mcg (30 D)
0301011AABBAAAA	Preparation	Ultibro Breezhaler_Pdr Inh Cap 85/54mcg
0302000N0AAAZAZ	Preparation	Gppe Pdr For Inh_Seretide 500 (60 D)
0302000C0BJABBF	Preparation	Qvar 100_Inha 100mcg (200 D)
0301020S0BBAAAA	Preparation	Seebri_Breezhaler Inh Cap 55mcg + Dev
0302000K0AAAMAM	Preparation	Gppe Pdr For Inhb/a_Symbicort 200/6(120d
0301011R0AAPAP	Preparation	Salbutamol_Inha 100mcg (200 D) Cff
0301020R0BBAAAA	Preparation	Eklira_Inh 322mcg (60d) (genuair)
0302000C0BRAABY	Preparation	Fostair Nexthaler_Inh 100mcg/6mcg (120d)
0302000N0BFAABF	Preparation	Sirdupla_Inh 125mcg/25mcg (120d)
0301011U0AAAHAH	Preparation	Salmeterol_Inha 25mcg (120 D) Cff
0302000N0AABFBF	Preparation	Gppe Inha_Seretide 125 Evohaler(120d)cff
0302000N0AAAYAY	Preparation	Gppe Pdr For Inh_Seretide 250 (60 D)
0302000K0AAAUAU	Preparation	Gppe Pdr For Inhb/a_Symbicort 400/12(60d
0302000N0BCADBE	Preparation	Seretide 50_Evohaler 50mcg/25mcg (120 D)
0302000N0BCAAAX	Preparation	Seretide 100_Accuhaler 100mcg/50mcg(60d)
0301020Q0AAACAC	Preparation	Tiotropium_Inha 2.5mcg (60d) Cff + Dev
0301040X0BBAAAA	Preparation	Spiolto Respimat_Inha2.5/2.5mcg(60d)+dev
0301011R0BIAGBU	Preparation	Salamol E-Breathe_Inh 100mcg (200 D) Cff
0301020Q0AAAAAA	Preparation	Tiotropium_Pdr For Inh Cap 18mcg + Dev
0301040V0BBAAAA	Preparation	Duaklir Genuair_340mcg/12mcg (60d)
0302000C0AABXBX	Preparation	Beclomet Diprop/formoterol_Inh100/6(120d
0301011R0AABUBU	Preparation	Salbutamol_Inha B/a 100mcg (200 D) Cff
0301011U0BBFAFH	Preparation	Serevent_Evohaler 25mcg (120 D)
0302000C0BPAABE	Preparation	Clenil Modulite_Inha 50mcg (200d)
0301011R0BEAHAQ	Preparation	Ventolin_Accuhaler 200mcg (60 D)
0302000C0BPADBW	Preparation	Clenil Modulite_Inha 250mcg (200d)
0302000C0BRABCA	Preparation	Fostair Nexthaler_Inh 200mcg/6mcg (120d)
0302000C0BJAABE	Preparation	Qvar 50_Inha 50mcg (200 D)
0302000K0AAALAL	Preparation	Gppe Pdr For Inhb/a_Symbicort 100/6(120d
0302000N0BGAAAZ	Preparation	Airflusal Forspiro_Inh 500/50mcg (60d)
0301011U0AAAEAE	Preparation	Salmeterol_Pdr For Inh 50mcg (60 D)
0302000N0AABKBK	Preparation	Fluticasone/formoterol_Inh 250/10mcg120d
0301020Q0BBAAAA	Preparation	Spiriva_Pdr For Inh Cap 18mcg+handihaler
0302000N0AABCBC	Preparation	Fluticasone Prop_Inha 250mcg (120 D) Cff
0302000N0BGACBG	Preparation	Airflusal_Inh 250mcg/25mcg (120d)
0302000N0BDACBL	Preparation	Flutiform_Inha 50/5mcg (120 D)
0302000N0AAAXAX	Preparation	Gppe Pdr For Inh_Seretide 100 (60 D)
0302000N0AABABA	Preparation	Fluticasone Prop_Inha 125mcg (120 D) Cff

BNF Code	BNF Level	BNF Name
0302000K0BBAHAG	Preparation	Pulmicort_Turbohaler 200mcg (100 D)
0302000C0BJAFBH	Preparation	Qvar 100 E-Breathe_Inha 100mcg (200 D)
0302000N0AABEBE	Preparation	Gppe Inha_Seretide 50 Evohaler (120d)cff
0301011V0BBARBB	Preparation	Bricanyl_Turbohaler 500mcg (120 D)
0301011V0AABBBB	Preparation	Terbut Sulf_B/a Inha 500mcg (120 D)
0302000N0BBAZBC	Preparation	Flixotide_Evohaler 250mcg (120 D)
0301020I0AAANAN	Preparation	Ipratrop Brom_Inha 20mcg (200 D) Cff
0301040U0AAABAB	Preparation	Umeclidinium Brom_Inh 65mcg (30d)
0301011U0BBAEAE	Preparation	Serevent_Accuhaler 50mcg (60 D)
0302000C0BJADBH	Preparation	Qvar 100_Autohaler 100mcg (200 D)
0302000N0BBAXBA	Preparation	Flixotide_Evohaler 125mcg (120 D)
0302000N0AABJBJ	Preparation	Fluticasone/formoterol_Inh 125/5mcg 120d
0301020R0AAAAAA	Preparation	Acidinium Brom_Pdr For Inh 375mcg (60d)
0302000N0BGABBF	Preparation	Airflusal_Inh 125mcg/25mcg (120d)
0302000K0AAAGAG	Preparation	Budesonide_Pdr For Inh 200mcg (100 D)
0301020S0AAAAAA	Preparation	Glycopyrronium Brom_Inh Cap 55mcg + Dev
0302000N0BBATAT	Preparation	Flixotide_Accuhaler 250mcg (60 D)
0302000K0BBAKAK	Preparation	Pulmicort_Turbohaler 100mcg (200 D)
0301011E0BCABAC	Preparation	Oxis 12_Turbohaler 12mcg (60 D)
0301011R0BWAABZ	Preparation	Easyhaler_Salbutamol Sulph 100mcg (200d)
0302000K0BBAIAH	Preparation	Pulmicort_Turbohaler 400mcg (50 D)
0301011R0BIAFAP	Preparation	Salamol_Inha 100mcg (200 D) Cff
0301011X0BBAAAA	Preparation	Onbrez Breezhaler_Pdr Inh Cap 150mcg+dev
0301011E0BEAAAE	Preparation	Easyhaler_Formoterol 12mcg (120 D)
0301011Y0AAABAB	Preparation	Fluticasone/vilanterol_Inha 92/22mcg 30d
0302000N0AAATAT	Preparation	Fluticasone Prop_Pdr For Inh 250mcg(60d)
0301040U0AAAAAA	Preparation	Umeclidinium Brom_Inha 65mcg/22mcg (30d)
0301020I0BBAJAN	Preparation	Atrovent_Inha 20mcg (200 D) Cff
0301011R0BWABCA	Preparation	Easyhaler_Salbutamol Sulph 200mcg (200d)
0302000C0BNAABU	Preparation	Easyhaler_Beclomet 200mcg (200 D)
0301011R0AAAQAQ	Preparation	Salbutamol_Pdr For Inh 200mcg (60 D)
0301011R0BMABBU	Preparation	Airomir_Autohaler 100mcg (200 D) Cff
0301020Q0BBADAE	Preparation	Spiriva Respimat_Inhsoln 2.5mcg (60d)ref
0302000C0BTACBF	Preparation	Soprobec_Inha 100mcg (200 D)
0302000K0BIACAM	Preparation	Fobumix_Easyhaler 160mcg/4.5mcg (120 D)
0302000N0AAASAS	Preparation	Fluticasone Prop_Pdr For Inh 100mcg(60d)
0302000K0AAAKAK	Preparation	Budesonide_Pdr For Inh 100mcg (200 D)
0302000K0AAAHAH	Preparation	Budesonide_Pdr For Inh 400mcg (50 D)
0302000N0BBASAS	Preparation	Flixotide_Accuhaler 100mcg (60 D)

BNF Code	BNF Level	BNF Name
0302000N0BBAUUAU	Preparation	Flixotide_Accuhaler 500mcg (60 D)
0302000N0AABHBH	Preparation	Fluticasone Prop_Inha 50mcg (120 D) Cff
0302000N0BIABBG	Preparation	Sereflo_Inh 250mcg/25mcg (120d)
0302000C0BJAEBG	Preparation	Qvar 50 E-Breathe_Inha 50mcg (200 D)
0302000N0BIAABF	Preparation	Sereflo_Inh 125mcg/25mcg (120d)
0301011Y0AAAAAA	Preparation	Fluticasone/vilanterol_Inha 184/22mcg30d
0302000N0AAAUAU	Preparation	Fluticasone Prop_Pdr For Inh 500mcg(60d)
0301020Q0AAADAD	Preparation	Tiotropium_Pdr For Inh Cap 10mcg + Dev
0302000K0BDADBB	Preparation	Symbicort_Inh 200mcg/6mcg (120 D)
0302000K0BGABAX	Preparation	Easyhaler_Budesonide 200mcg (200 D)
0302000N0BBBBBH	Preparation	Flixotide_Evohaler 50mcg (120 D)
0301011E0AADAD	Preparation	Formoterol Fumar_Inh 12mcg (100d)
0301011X0AAAAAA	Preparation	Indacaterol Mal_Pdr Inh Cap 150mcg + Dev
0301011E0AACAC	Preparation	Formoterol Fumar_Pdr For Inh 12mcg(60 D)
0302000C0BTABBV	Preparation	Soprobeq_Inha 200mcg (200 D)
0302000K0BGAAAK	Preparation	Easyhaler_Budesonide 100mcg (200 D)
0302000C0AABYBY	Preparation	Beclomet/formoterol_Inh 100/6 (120d) Dry
0301040V0AAAAAA	Preparation	Aclid/formot_Pdrfor Inh 396/11.8mcg(60d)
0301011AAAAAAA	Preparation	Indacaterol/glycopy_Pdr Inh Cap 85/54mcg
0302000C0BUAABX	Preparation	Luforbec 100micrograms/dose / 6micrograms/dose Inhaler
0301040X0BBABAB	Preparation	Spolto Respimat_Inh 2.5/2.5mcg (60d)ref
0302000C0AABFBF	Preparation	Gppe Inha_Qvar 100 (200d) Cff
0302000C0AACACA	Preparation	Beclomet/formoterol_Inh 200/6 (120d) Dry
0301011U0BGAAAH	Preparation	Soltel_Inha 25mcg (120d) Cff
0301011E0BDAAAD	Preparation	Atimos Modulite_Inh 12mcg (100d)
0301011E0BCAAB	Preparation	Oxis 6_Turbohaler 6mcg (60 D)
0302000U0AAABAB	Preparation	Ciclesonide_Inh 160mcg (120 D) Cff
0302000K0BIAAAU	Preparation	Fobumix_Easyhaler 320mcg/9mcg (60 D)
0302000C0AABZBZ	Preparation	Beclomet Diprop/formoterol_Inh200/6(120d)
0302000C0BJACBG	Preparation	Qvar 50_Autohaler 50mcg (200 D)
0302000N0AABLBL	Preparation	Fluticasone/formoterol_Inh 50/5mcg 120 D
0301040X0AAAAAA	Preparation	Tiotropium/olodaterol_Inha2.5/2.5mcg+dev
0302000U0BBACAC	Preparation	Alvesco 160_Inh 160mcg (60 D) Cff
0302000U0AAACAC	Preparation	Ciclesonide_Inh 160mcg (60 D) Cff
0302000U0AAAAAA	Preparation	Ciclesonide_Inh 80mcg (120 D) Cff
0301011E0AAAAAA	Preparation	Formoterol Fumar_Pdr Inh Cap 12mcg +dev
0302000K0BGACAY	Preparation	Easyhaler_Budesonide 400mcg (100 D)
0302000U0BBAAAA	Preparation	Alvesco 80_Inh 80mcg (120 D) Cff
0302000C0AABHBH	Preparation	Gppe Inha_Qvar 100 Autohaler (200d) Cff
0301011E0AAABAB	Preparation	Formoterol Fumar_Pdr For Inh 6mcg (60 D)

BNF Code	BNF Level	BNF Name
0301011E0BBAAAA	Preparation	Foradil_Inh Cap 12mcg + Inha
0302000U0BBABAB	Preparation	Alvesco 160_Inh 160mcg (120 D) Cff
0301011R0AABZBZ	Preparation	Salbutamol_Pdr For Inh 100mcg (200 D)
0301011E0AAAEAE	Preparation	Formoterol Fumar_Pdr For Inh 12mcg(120d)
0301011R0BMAAAP	Preparation	Airomir_Inha 100mcg (200 D)
0302000N0BHAAAZ	Preparation	Aerivio Spiromax_Inh 500/50mcg (60d)
0303010Q0AAANAN	Preparation	Sodium Cromoglicate 5mg/dose Inhaler Cfc Free
0302000K0BIABBC	Preparation	Fobumix_Easyhaler 160mcg/4.5mcg (60 D)
0302000N0BBARAR	Preparation	Flixotide_Accuhaler 50mcg (60 D)
0302000N0BMAAAZ	Preparation	Stalpex_Inha 500/50mcg (60 D)
0302000C0AABVBV	Preparation	Beclomet Diprop_Inha 200mcg (200 D) Cff
0302000N0BLAABE	Preparation	Combisal_Inha 50mcg/25mcg (120 D)
0302000K0BIADAL	Preparation	Fobumix_Easyhaler 80mcg/4.5mcg (120 D)
0302000C0BTAABE	Preparation	Soprobech_Inha 50mcg (200 D)
0303010Q0BBALAN	Preparation	Intal_Inha 5mg (112 D) Cff
0302000N0AAARAR	Preparation	Fluticasone Prop_Pdr For Inh 50mcg (60d)
0301011R0AACACA	Preparation	Salbutamol_Pdr For Inh 200mcg (200 D)
0302000C0BTADBW	Preparation	Soprobech_Inha 250mcg (200 D)
0302000N0BDADBP	Preparation	Flutiform_K-Haler 125/5mcg (120 D)
0302000Y0BBAAAA	Preparation	Trixeo Aerosphere 5microg / 7.2microg / 160microg/dose Inh
0302000N0BNABAY	Preparation	Fixkoh Airmaster 50microg/dose / 250microg/dose Dry Pdr Inh
0301020Q0AAAEAE	Preparation	Tiotropium_Inh Soln 2.5mcg (60d) Ref Cff
0303010J0AADAD	Preparation	Nedocromil Sod_Inha 2mg (112 D) Cff
0301011Z0BBAAAA	Preparation	Striverdi Respimat_Inha 2.5mcg (60d)+dev
0301011X0BBABAB	Preparation	Onbrez Breezhaler_Pdr Inh Cap 300mcg+dev
0302000C0AABEBE	Preparation	Gppe Inha_Qvar 50 (200d) Cff
0302000N0BKAAAY	Preparation	Fusacomb Easyhaler_Inha 250/50mcg (60 D)
0302000N0BKABAZ	Preparation	Fusacomb Easyhaler_Inha 500/50mcg (60 D)
0302000N0BLACBG	Preparation	Combisal_Inha 250mcg/25mcg (120 D)
0303010J0BBAFAD	Preparation	Tilade_Inha 2mg (112 D) Cff
0301011X0AAABAB	Preparation	Indacaterol Mal_Pdr Inh Cap 300mcg + Dev
0302000N0BLABBF	Preparation	Combisal_Inha 125mcg/25mcg (120 D)
0302000C0AABUBU	Preparation	Beclomet Diprop_Pdr For Inh 200mcg(200 D)
0302000K0AABBBB	Preparation	Budesonide/formoterol Inh 200/6 (120d)
0302000C0BSABBF	Preparation	Kelhale_Inha 100mcg (200 D)
0301040AABBAAAA	Preparation	Bevespi Aerosphere 7.2microg / 5microg/dose Pressurised Inh
0307000R0BBAAAA	Preparation	Bronchitol_Pdr Inh Cap 40mg + 2 Dev

BNF Code	BNF Level	BNF Name
0301011U0BEAAAH	Preparation	Neivent_Inha 25mcg (120 D) Cff
0302000N0BNACAX	Preparation	Fixkoh Airmaster 50microg/dose / 100microg/dose Dry Pdr Inh
0302000R0AAABAB	Preparation	Mometasone Fur_Pdr For Inh 200mcg (60 D)
0302000R0BBADAD	Preparation	Asmanex Twisthaler_D/p Inh 400mcg (60 D)
0302000N0BJABBG	Preparation	Aloflute_Inh 250mcg/25mcg (120d)
0302000C0AABWBW	Preparation	Beclomet Diprop_Inha 250mcg (200 D) Cff
0302000R0AAADAD	Preparation	Mometasone Fur_Pdr For Inh 400mcg (60 D)
0302000R0BBABAB	Preparation	Asmanex Twisthaler_D/p Inh 200mcg (60 D)
0302000N0BJAABF	Preparation	Aloflute_Inh 125mcg/25mcg (120d)
0302000R0AAAAAA	Preparation	Mometasone Fur_Pdr For Inh 200mcg (30 D)
0302000N0BDAEBQ	Preparation	Flutiform_K-Haler 50/5mcg (120 D)
0301011Z0AAAAAA	Preparation	Olodaterol_Inha 2.5mcg (60d) Cff + Dev
0302000C0AABGBG	Preparation	Gppe Inha_Qvar 50 Autohaler (200d) Cff
0302000C0BSAABE	Preparation	Kelhale_Inha 50mcg (200 D)
0302000K0BFABAC	Preparation	Novolizer_Budesonide Inh 200mcg 100d Ref
0302000K0BFAAAV	Preparation	Novolizer_Budesonide Inh 200mcg (100 D)
0301040X0AAABAB	Preparation	Tiotropium/olodat_Inh 2.5/2.5mcg(60d)ref
0302000N0AABNBN	Preparation	Fluticasone/vilanterol_Inha 92/22mcg 30d
0302000W0BBAAAA	Preparation	Energair Breezhaler 114microg / 46microg / 136microg/dose
0302000R0AAACAC	Preparation	Mometasone Fur_Pdr For Inh 400mcg (30 D)
0302000K0BDAEBC	Preparation	Symbicort 100microg/dose / 3microg/dose Pressurised Inh
0301011R0BXAACB	Preparation	Novolizer_Salbulin Inh 100mcg (200d)+dev
0302000R0BBAAAA	Preparation	Asmanex Twisthaler_D/p Inh 200mcg (30 D)
0302000K0AAAVAV	Preparation	Budesonide_Pdr For Inh 200mcg (100d)+dev
0301011R0AACBCB	Preparation	Salbutamol_Pdr For Inh 100mcg (200d)+dev
0301011R0BXABCC	Preparation	Novolizer_Salbulin Inh 100mcg (200d) Ref
0301011Z0BBABAB	Preparation	Striverdi Respimat_Inh 2.5mcg (60d) Ref
0302000R0BBACAC	Preparation	Asmanex Twisthaler_D/p Inh 400mcg (30 D)
0302000N0AABPBP	Preparation	Fluticasone/formoterol_Inhba125/5mcg120d
0302000K0AAAWAW	Preparation	Budesonide_Pdr For Inh 200mcg (100d) Ref
0302000K0AABCBC	Preparation	Budesonide/formoterol_Inhab/a 200/6(60d)
0301011Z0AAABAB	Preparation	Olodaterol_Inh Soln 2.5mcg (60d) Ref Cff
0302000N0AABQBQ	Preparation	Fluticasone/formoterol_Inh Ba50/5mcg120d
0301020I0BIAAAN	Preparation	Inhalvent_Inha 20mcg (200d)
0301011R0BIABAD	Preparation	Salamol E-Breathe_Inha 100mcg (200 D)
0303010Q0BBAFAB	Preparation	Intal_Inha 5mg (112 D)
0301011R0AACCCC	Preparation	Salbutamol_Pdr For Inh 100mcg (200d) Ref
0301040X0BCAAAA	Preparation	Yanimo Respimat_Inha2.5/2.5mcg(60d)+dev
0302000N0BBAYBB	Preparation	Flixotide_Evohaler 125mcg (60 D)

## 2.0 Supporting domains

### 2.1 Safety

#### 2.1.1 Prescribing Safety Indicators

*Data source:* DHCW

*Units of measure:*

- **Prescribing Safety Indicators related to AKI**
  - Number of patients on the CKD register (CKD stage 3–5) who have received a repeat prescription for an NSAID within the last 3 months.
  - Number of patients who are not on the CKD register but have an eGFR of < 59 ml/min and have received a repeat prescription for an NSAID within the last 3 months.
  - Number of patients with concurrent prescriptions of an NSAID, renin-angiotensin system (RAS) drug and a diuretic.
  - Number of patients aged 75 and over with a current prescription for an ACE Inhibitor or loop diuretic without a check of renal function and electrolytes in the previous 15 months.
  
- **Prescribing Safety Indicators related to bleeds**
  - Number of patients with a peptic ulcer who have been prescribed NSAIDs without a PPI.
  - Number of patients with concurrent prescriptions of warfarin and an oral NSAID.
  - Number of patients with concurrent prescriptions for a DOAC and an oral NSAID.
  - Number of patients aged 65 years or over prescribed an NSAID plus aspirin and/or clopidogrel but without gastroprotection (PPI or H<sub>2</sub> receptor antagonist).
  - Number of patients with concurrent prescriptions of an oral anticoagulant (warfarin or DOAC) and an SSRI.
  
- **Prescribing Safety Indicators related to cognition**
  - Number of patients aged 65 years or over prescribed an antipsychotic.
  - Number of patients aged 75 and over with an Anticholinergic Effect on Cognition (AEC) score of 3 or more for items on active repeat.
  
- **Prescribing Safety Indicators specific to females**
  - Number of female patients with a current prescription of oestrogen-only hormone replacement therapy (HRT) without any hysterectomy READ/SNOMED codes.
  - Number of female patients with a past medical history of venous or arterial thrombosis who have been prescribed combined hormonal contraceptives.
  - Number of female patients aged 14–55 with a prescription for sodium valproate.
  - Number of female patients aged 14–55 with a prescription for oral retinoids.

- **Prescribing Safety Indicators related to ‘other’**
  - Number of patients under 16 with a current prescription of aspirin.
  - Number of patients with asthma who have been prescribed a beta-blocker.
  - Number of patients with concurrent prescriptions of verapamil and a beta-blocker.

**Target for 2022–2023:** No target set.

**Numerators and denominators:** As per individual Prescribing Safety Indicator. READ codes for medicines used in searches are available on request.

## 2.1.2 Hypnotics and anxiolytics

**Data source:** NWSSP

**Unit of measure:** Hypnotic and anxiolytic ADQs per 1,000 STAR-PU.

**Target for 2022–2023:** Maintain performance levels within the lower quartile (threshold: 1,439 ADQs per 1,000 STAR-PU), or show a reduction towards the quartile below.

### **Numerator**

ADQs of a UDG of hypnotic and anxiolytic medicines.

BNF Code	BNF Level	BNF Name
0401010L0	BNF chemical	Flurazepam Hydrochloride
0401010N0	BNF chemical	Loprazolam Mesilate
0401010P0	BNF chemical	Lormetazepam
0401010R0	BNF chemical	Nitrazepam
0401010T0	BNF chemical	Temazepam
0401010W0	BNF chemical	Zaleplon
0401010Y0	BNF chemical	Zolpidem Tartrate
0401010Z0	BNF chemical	Zopiclone
0401020D0	BNF chemical	Chlordiazepoxide
0401020E0	BNF chemical	Chlordiazepoxide Hydrochloride
0401020K0	BNF chemical	Diazepam
0401020P0	BNF chemical	Lorazepam
0401020T0	BNF chemical	Oxazepam

### **Denominator**

1,000 STAR-PU.

### 2.1.3 Yellow cards

**Data source:** Medicines and Healthcare products Regulatory Agency (MHRA)

**Units of measure:** Number of Yellow Cards submitted, per GP practice, per health board and per hospital.

Number of Yellow Cards submitted by Community Pharmacies, per health board.

**Targets for 2022–2023:**

- GP practices: Submit one Yellow Card per 2,000 GP practice population.
- Health boards:
  - Submit one Yellow Card per 2,000 health board population.
  - Demonstrate a 10%, or greater, increase from baseline (2021–2022), for Yellow Cards submitted by secondary care.
  - Demonstrate a 25%, or greater, increase from baseline (2021–2022), for Yellow Cards submitted by members of the public.
- Community pharmacy: no target set.

## 2.2 Efficiencies

### 2.2.1 Best value biological medicines

**Data source:** NWSSP and DHCW

**Unit of measure:** Quantity of best value biological medicines prescribed as a percentage of total ‘biosimilar’ plus ‘reference’ product.

**Target for 2022–2023:** Increase the appropriate use of cost-efficient biological medicines, including biosimilar medicines.

Excluding adalimumab and etanercept, for the current basket of biological medicines used in the best value biological medicines NPI (infliximab, ranibizumab, rituximab and trastuzumab) only secondary care data, accessed via the Medusa data warehouse, are required. It is essential that the brand name of the biological medicine being supplied is clearly described on data entry to facilitate the data extraction to the Medusa data warehouse. Where ‘home’ appears within the description name this will be assumed to imply the supply is through Homecare delivery. Adalimumab and etanercept as well as being supplied through secondary care also have a supply within primary care, and likewise must be prescribed by brand name.

#### **Numerator**

**For each biological medicine:**

Quantity of biosimilar biological product(s).

- **In addition for adalimumab:**

Items prescribed of a UDG of adalimumab biological medicines.

BNF Code	BNF Level	BNF Name
1001030S0BF	BNF product	Imraldi

- **In addition for etanercept:**

Items prescribed of a UDG of etanercept biological medicines.

BNF Code	BNF Level	BNF Name
1001030D0BC	BNF product	Benepali

## Denominator

### For each biological medicine:

Total quantity of biosimilar product(s) plus 'reference' product.

- **In addition for adalimumab:**

Items prescribed of a UDG of adalimumab biological medicines.

BNF Code	BNF Level	BNF Name
1001030S0	BNF chemical	Adalimumab

- **In addition for etanercept:**

Items prescribed of a UDG of etanercept biological medicines.

BNF Code	BNF Level	BNF Name
1001030D0	BNF chemical	Etanercept

## 2.2.2 Low value for prescribing

**Data source:** NWSSP

**Unit of measure:** Low value for prescribing UDG spend per 1,000 patients (items included in phase 1 and phase 2 of the initiative only)

**Target for 2022–2023:** Maintain performance levels within the lower quartile (threshold: £115.14 per 1,000 patients), or show a reduction towards the quartile below.

### Numerator

Overall spend on a UDG of Low value for prescribing NPI items (phase 1 and phase 2 of the initiative only).

BNF Code	BNF Level	BNF Name
0407010Q0	Preparation	Co-Proxamol (dextroprop Hcl/paracet)
0205040D0BBADAQ	Preparation	Cardura XI_Tab 4mg
0205040D0BBAEAR	Preparation	Cardura XI_Tab 8mg
0205040D0BDADAQ	Preparation	Doxadura_XI Tab 4mg
0205040D0AAAQAQ	Preparation	Doxazosin Mesil_Tab 4mg M/r
0205040D0AAARAR	Preparation	Doxazosin Mesil_Tab 8mg M/r
0205040D0BJAAAQ	Preparation	Larbex XI_Tab 4mg
0205040D0BKAAAQ	Preparation	Raporsin XI_Tab 4mg
0407030ACAAAAAA	Preparation	Lido_Medic Plastr 5%
1502010J0AAELEL	Preparation	Lido_Medic Plastr 5%
1502010J0BWAAEL	Preparation	Ralvo_Medic Plastr 700mg
0407030ACBB	Preparation	Versatis
1502010J0BS	Preparation	Versatis
0602010M0	Preparation	Liothyronine Sodium
0704050R0BBACAC	Preparation	Cialis_Tab 2.5mg
0704050R0BBADAD	Preparation	Cialis_Tab 5mg

<b>BNF Code</b>	<b>BNF Level</b>	<b>BNF Name</b>
0704050R0AAACAC	Preparation	Tadalafil_Tab 2.5mg
0704050R0AAADAD	Preparation	Tadalafil_Tab 5mg
090607000BBFBA0	Preparation	Omega-3 Fish Oil_Cap
0212000V0	Preparation	Omega-3 marine triglycerides
0212000AB	Preparation	Omega-3-Acid Ethyl Esters
090607000BBBAA0	Preparation	Omega-H3 _Geriatric Cap
0407020AF	Preparation	Oxycodone Hcl/naloxone Hcl
040702040BF	Preparation	Tramacet
040702040AAAUAU	Preparation	Tramadol Hcl/paracet_Tab 37.5mg/325mg
040702040AABABA	Preparation	Tramadol/paracet_Tab Eff 37.5/325mg S/f
0205051Y0	Preparation	Perindopril Arginine

***Denominator***

1,000 patients.