

National Prescribing Indicators 2020–2021

Analysis of Prescribing Data to September 2020

26 January 2021: Biosimilar data for etanercept (page 28), adalimumab (page 31) and total biosimilar usage (page 33) have been corrected.



EXECUTIVE SUMMARY

The All Wales Medicines Strategy Group (AWMSG) has endorsed the National Prescribing Indicators (NPIs) as a means of promoting safe and cost-effective prescribing since 2003. For 2020–2021 the *National Prescribing Indicators: Supporting Safe and Optimised Prescribing*, have been refreshed with a focus on three priority areas, supported by additional safety and efficiency domains.

Background information supporting the choice of NPIs is detailed in the document National Prescribing Indicators 2020–2021.

This report contains data relating to the NPIs for the second quarter of 2020–2021. Unit of measure and targets for each NPI are included in Appendix 1 and primary care NPI prescribing data for GP clusters is presented in Appendix 2.

The potential impact of COVID-19 on prescribing and Yellow Card reporting during 2020–2021 should be considered when reviewing the data contained within this report.

PRIORITY AREAS

For 2020–2021 there are three priority areas, covering a total of eight indicators.

Analgesics in primary care

- Opioid burden (ADQs per 1,000 patients) reduced by 4.82% across Wales, compared with the equivalent quarter of the previous year, in line with the aim of the indicator. *Please note: The NHS Business Services Authority's move to a One Drug Database has resulted in the removal of the ADQ value for co-codamol 15/500 from January 2020, therefore data from this point onwards do not include co-codamol 15/500.*
- Tramadol (DDDs per 1,000 patients) reduced by 7.43% across Wales, compared with the equivalent quarter of the previous year, in line with the aim of the indicator.
- Gabapentin and pregabalin (DDDs per 1,000 patients) demonstrated an increase of 1.69% across Wales, compared with the equivalent quarter of the
 previous year, despite the aim of the indicator being to reduce prescribing.

Anticoagulants in atrial fibrillation

- The number of patients with atrial fibrillation (AF) and a CHA₂DS₂-VASc score of 2 or more who are currently prescribed an anticoagulant (as a percentage of all patients with AF): data for this indicator are currently unavailable.
- Across Wales, the number of patients diagnosed with AF who are prescribed an anticoagulant and have received an anticoagulant review within the last 12 months (as a percentage of all patients diagnosed with AF who are prescribed an anticoagulant) increased by 27.8% in the month of September 2020, compared with the equivalent month of the previous year, in line with the aim of the indicator.
- Across Wales, the number of patients diagnosed with AF who are prescribed antiplatelet monotherapy (as a percentage of all patients diagnosed with AF) decreased by 23.0% in the month of September 2020, compared with the equivalent month of the previous year, in line with the aim of the indicator.

Antimicrobial stewardship

- Total antibacterial items per 1,000 STAR-PUs decreased across Wales by 13.2% compared with the quarter ending September 2018. All seven health boards achieved the target of a 5% reduction against the baseline of guarter 2 2018–2019.
- 4C (co-amoxiclav, cephalosporins, fluoroquinolones and clindamycin) items per 1,000 patients decreased across Wales by 18.4%, compared with the baseline of guarter 2 2018–2019.



SUPPORTING DOMAIN - SAFETY

Prescribing Safety Indicators

• The aim of these indicators is to identify patients at high risk of adverse drug reactions and medicines related harm in primary care. There are no targets associated with these indicators.

Proton pump inhibitors

• Proton pump inhibitors (DDDs per 1,000 PUs) in primary care increased by 5.64% across Wales, compared with the equivalent quarter of the previous year, despite the aim of the indicator being to decrease prescribing.

Hypnotics and anxiolytics

• Prescribing of hypnotics and anxiolytics (ADQs per 1,000 STAR-PUs) in primary care reduced by 6.25% across Wales, compared with the equivalent quarter of the previous year. This is in line with the aim of the indicator.

Yellow Cards

- Annual targets have been set for these indicators, with the aim of increasing the number of Yellow Card reports submitted. Quarter two data demonstrates:
 - o An 8.40% decrease in reporting by GP practices across Wales, compared with the equivalent guarter of the previous year.
 - A 53.1% increase in secondary care reporting across Wales, compared with the equivalent quarter of the previous year.
 - o A 3.49% increase in reporting by health boards / NHS Trusts across Wales, compared with the equivalent quarter of the previous year.
 - o A 5.63% increase in reporting by members of the public across Wales, compared with the equivalent guarter of the previous year.
 - o The figures for Yellow Cards submitted by community pharmacy are also included in the report; however, targets have not been set.

SUPPORTING DOMAIN - EFFICIENCY

Best value biological medicines

• There was an increase in the overall use of five of the six biosimilar medicines being monitored (adalimumab, infliximab, rituximab, teriparatide and trastuzumab) compared with the equivalent quarter of the previous year, in line with the aim of the NPI. There was a decrease in the overall use of one of the six biosimilar medicines being monitored (etanercept) compared with the equivalent quarter of the previous year, contrary to the aim of the indicator.

Insulin

• Prescribing of long-acting insulin analogues decreased in primary care compared with the equivalent quarter of the previous year, in line with the aim of the indicator. Prescribing of long-acting insulin analogues increased in secondary care compared with the equivalent quarter of the previous year, contrary to the aim of the indicator.

Low value for prescribing

• Overall spend on the Low Value for Prescribing UDG (per 1,000 patients) decreased by 23.3% across Wales, compared with the equivalent quarter of the previous year. This is in line with the aim of the indicator.

The 2020–2021 NPI report for quarter ending December 2020 will be available on April 23rd 2021.

You are welcome to use the data presented within this report. If you wish to reproduce any information in your own outputs, please include the following citation: All Wales Therapeutics and Toxicology Centre. National Prescribing Indicators 2020–2021 – Analysis of Prescribing Data to September 2020. January 2021.

Data presented within this report are also accessible via the Server for Prescribing Information Reporting and Analysis (SPIRA) at www.awttc.org/spira.

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HEALTH BOARDS/PRACTICES ACHIEVING INDICATOR TARGETS/THRESHOLDS

The table below shows the extent to which practices in each health board met the target or indicator thresholds:

- The figure in the cell is the number of practices in each health board meeting the target or indicator threshold.
- The percentage figure and cell colour represent the proportion of practices in each health board meeting the target or indicator threshold.

The target for antibacterial items per 1,000 STAR-PUs is by health board, therefore a tick demonstrates achievement.

Table 1. Health boards/practices achieving the indicator targets/thresholds – Quarter ending September 2020

Indicator Description	Aneurin Bevan	Betsi Cadwaladr	Cardiff And Vale	Cwm Taf Morgannwg	Hywel Dda	Powys	Swansea Bay
Opioid burden (UDG) ADQs per 1,000	12	30	43	3	11	8	10
Patients	16%	29%	72%	6%	22%	50%	20%
Tramadol DDDs per 1,000 patients	22	26	36	7	13	8	11
	29%	25%	60%	14%	27%	50%	22%
Gabapentin and pregabalin DDDs per 1,000 patients	10	27	37	1	15	8	6
	13%	26%	62%	2%	31%	50%	12%
Antibacterial items per 1,000 STAR-PUs	~	>	>	<	~	>	~
4C antibacterial items per 1,000 patients	31	18	27	10	10	4	10
	41%	18%	45%	20%	20%	25%	20%
Proton pump inhibitors DDDs per 1,000 PUs	13 17%	20 20%	29 48%	3 6%	8 16%	0%	11 22%
Hypnotics and anxiolytics ADQs per 1,000	20	23	35	11	8	8	13
STAR-PUs	27%	23%	58%	22%	16%	50%	27%
Long-acting insulin analogues as a percentage of long- and intermediate-acting insulin analogue prescribing	45	28	38	37	10	7	2
	60%	27%	63%	73%	20%	44%	4%
Low Value for Prescribing (UDG) spend per 1,000 patients	13	58	24	5	5	4	22
	17%	57%	40%	10%	10%	25%	45%

Percentage of practices meeting threshold



Please note: Opioid burden – The NHS Business Services Authority's move to a One Drug Database has resulted in the removal of the ADQ value for co-codamol 15/500 from January 2020, therefore data from this point onwards do not include co-codamol 15/500.

1.0 PRIORITY AREAS

1.1 ANALGESICS

There are three NPIs monitoring the usage of medicines used for the treatment of pain for 2020–2021:

- 1. Opioid burden
- 2. Tramadol
- 3. Gabapentin and pregabalin

1.1.1 Opioid burden

Purpose: To encourage the appropriate use and review of opioids in primary care, minimising the potential for dependence, diversion, misuse and adverse drug reactions (ADRs).

Unit of measure: Opioid burden UDG ADQs per 1,000 patients.

Aim: To reduce prescribing.

There is a lack of consistent good quality evidence to support strong clinical recommendations for the long term use of opioid for patients with chronic non-cancer pain. Opioid analgesics have well established side effects and repeated administration may cause tolerance and dependence. This NPI promotes a prudent approach to prescribing opioid analgesics, taking into account the indication, risks and benefits, and encouraging timely review of patients prescribed opioids for chronic pain.

- Across Wales, opioid burden decreased by 4.82% in the quarter ending September 2020 compared with the equivalent quarter of the previous year. This is in line with the aim of the indicator.
- For the quarter ending September 2020, opioid burden prescribing ranged from 2,949 to 5,018 ADQs per 1,000 patients across the health boards.
- The health board with the lowest opioid burden was Cardiff and Vale UHB, whilst the highest opioid burden was seen in Cwm Taf Morgannwg UHB.
- All seven health boards demonstrated a reduction in ADQs per 1,000 patients, compared with the equivalent quarter of the previous year.
- The largest percentage decrease was seen in Cardiff and Vale UHB, and the smallest percentage decrease was seen in Powys Teaching HB.

Please note: The NHS Business Services Authority's move to a One Drug Database has resulted in the removal of the ADQ value for co-codamol 15/500 from January 2020, therefore data from this point onwards do not include co-codamol 15/500.

Table 2. Opioid burden ADQs per 1,000 patients

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change		
Cardiff And Vale	3,251	2,949	-9.29%		
Betsi Cadwaladr	4,880	4,534	-7.09%		
Cwm Taf Morgannwg	5,198	5,018	-3.47%		
Aneurin Bevan	4,947	4,776	-3.45%		
Hywel Dda	5,029	4,861	-3.34%		
Swansea Bay	4,486	4,369	-2.60%		
Powys	4,063	3,965	-2.42%		
Wales	4,613	4,390	-4.82%		

Figure 1. Trend in opioid burden ADQs per 1,000 patients 5,400 5,200 5,000 4,800 4,400 4,200 4,000 3,800 3,600 3,400 3.200 3.000 Sep 2017 Dec 2017 Mar 2018 Jun 2018 Sep 2018 Dec 2018 Mar 2019 Jun 2019 Sep 2019 Dec 2019 Mar 2020 Jun 2020 Sep 2020 **Health Board** Aneurin Bevan Cardiff and Vale Hywel Dda Swansea Bay Powys Betsi Cadwaladr Cwm Taf Morgannwg

1.1.2 Tramadol

Purpose: To encourage the appropriate use and review of tramadol in primary care, minimising the potential dependence, diversion, misuse and ADRs.

Unit of measure: Tramadol DDDs per 1,000 patients.

Aim: To reduce prescribing.

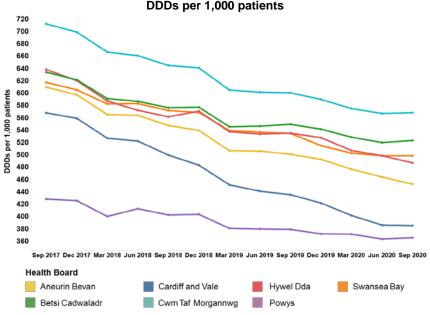
While there is a recognised place in pain management for tramadol, there are concerns regarding the risks associated with dependence, diversion, misuse and ADRs. This NPI promotes a prudent approach to prescribing tramadol, taking into account the risks and benefits, and encouraging timely review.

- Across Wales, prescribing of tramadol was 7.43% lower in the quarter ending September 2020, than in the equivalent quarter of the previous year. This is in line with the aim of the indicator.
- For the quarter ending September 2020, tramadol prescribing ranged from 366 to 568 DDDs per 1,000 patients across the health boards.
- The health board with the lowest prescribing was Powys Teaching HB, whilst the highest prescribing was seen in Cwm Taf Morgannwg UHB.
- Tramadol prescribing decreased, compared with the equivalent quarter of the previous year, in all of the health boards.
- The largest percentage decrease was seen in Cardiff and Vale UHB and the smallest percentage decrease was seen in Powys Teaching HB.

Table 3. Tramadol DDDs per 1,000 patients

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change		
Cardiff And Vale	435	385	-11.5%		
Aneurin Bevan	501	452	-9.68%		
Hywel Dda	535	487	-9.00%		
Swansea Bay	535	499	-6.77%		
Cwm Taf Morgannwg	600	568	-5.35%		
Betsi Cadwaladr	550	523	-4.77%		
Powys	379	366	-3.52%		
Wales	518	480	-7.43%		

Figure 2. Trend in tramadol prescribing DDDs per 1,000 patients



1.1.3 Gabapentin and pregabalin

Purpose: To encourage the appropriate use and review of gabapentin and pregabalin in primary care, minimising the potential for dependence, diversion, misuse and ADRs.

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

Aim: To reduce prescribing.

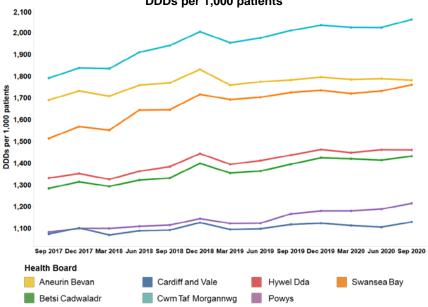
Gabapentin and pregabalin have a well-defined role in the management of a number of conditions including epilepsy and neuropathic pain, and pregabalin also has a role in the treatment of generalised anxiety disorder. Both gabapentin and pregabalin have known psychiatric side effects and there is a potential risk of dependence, diversion, misuse and ADRs. Prescribers should make evidence-based, informed decisions on whether to prescribe, taking into account the risks and benefits of these medicines.

- Across Wales, for the quarter ending September 2020, prescribing of gabapentin and pregabalin increased by 1.69% compared with the same quarter of the previous year.
- For the quarter ending September 2020, gabapentin and pregabalin prescribing ranged from 1,131 to 2,062 DDDs per 1,000 patients across the health boards.
- The health board with the lowest prescribing was Cardiff and Vale UHB, whilst the highest prescribing was seen in Cwm Taf Morgannwg UHB.
- Gabapentin and pregabalin prescribing increased compared with the equivalent quarter of the previous year in six of the seven health boards.
- Aneurin Bevan UHB demonstrated a small reduction in prescribing.
 The largest percentage increase was seen in Powys Teaching HB.

Table 4. Gabapentin and pregabalin DDDs per 1,000 patients

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change		
Aneurin Bevan	1,783	1,783	-0.05%		
Cardiff And Vale	1,119	1,131	1.02%		
Hywel Dda	1,438	1,461	1.65%		
Swansea Bay	1,726	1,761	2.03%		
Cwm Taf Morgannwg	2,011	2,062	2.53%		
Betsi Cadwaladr	1,396	1,433	2.66%		
Powys	1,168	1,216	4.14%		
Wales	1,549	1,575	1.69%		

Figure 3. Trend in gabapentin and pregabalin prescribing DDDs per 1,000 patients



1.2 ANTICOAGULANTS IN ATRIAL FIBRILLATION

There are three NPIs monitoring anticoagulants in atrial fibrillation (AF) for 2020–2021:

- Number of patients who have a CHA₂DS₂-VASc score of two or more who are currently prescribed an anticoagulant as a percentage of all patients diagnosed with AF.
- Number of patients who are currently prescribed an anticoagulant and have received an anticoagulant review within the last 12 months, as a percentage of all patients diagnosed with AF who are prescribed an anticoagulant.
- 3. Number of patients who are prescribed antiplatelet monotherapy, as a percentage of all patients diagnosed with AF.

1.2.1 Anticoagulants in patients with AF

Purpose: To encourage the appropriate use of anticoagulants in patients with atrial fibrillation (AF).

Unit of measure: Number of patients who have a CHA₂DS₂-VASc score of two or more who are currently prescribed an anticoagulant as a percentage of all patients diagnosed with AF.

Aim: To increase the number of patients with AF and a CHA₂DS₂-VASc of two or more prescribed an anticoagulant.

The CHA₂DS₂-VASc risk stratification score calculates stroke risk of patients with AF. Adults with non-valvular AF and a CHA₂DS₂-VASc score of two or above are at a much higher risk of having a stroke than the general population, however anticoagulation therapy can help to prevent strokes by reducing the likelihood of a blood clot forming. AF causes around 20% of strokes, however this can be reduced by about two thirds if people are anticoagulated.

Please note: 2020–2021 Quarter 1 and Quarter 2 data are currently unavailable for this indicator.

1.2.2 Anticoagulant review

Purpose: To encourage the appropriate review of patients currently prescribed anticoagulants.

Unit of measure: Number of patients who are currently prescribed an anticoagulant and have received an anticoagulant review within the last 12 months, as a percentage of all patients diagnosed with AF who are prescribed an anticoagulant.

Aim: To increase the number of patients with AF who are prescribed an anticoagulant and have received an anticoagulant review within the last 12 months.

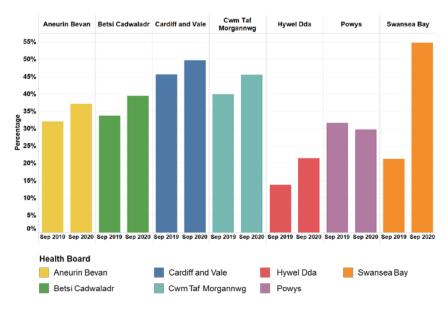
Patients with AF who are prescribed an anticoagulant should have a review of their treatment annually. Anticoagulants are associated with drug-drug and drug-food interactions that may increase the risk of serious bleeding or diminish stroke prevention. A review of treatment will reinforce the importance of adherence and enable patients to be reminded of potential interactions.

- Across Wales, the number of patients who are currently prescribed an
 anticoagulant and have received an anticoagulant review within the
 last 12 months (as a percentage of all patients diagnosed with AF who
 are prescribed an anticoagulant) increased by 27.8% compared with
 the equivalent month of the previous year. This is in line with the aim
 of the indicator.
- For the month of September 2020, the percentage of patients who had received an anticoagulant review in the last 12 months ranged from 21.4% to 54.8% across the health boards.
- The health board with the highest percentage of reviews was Swansea Bay UHB. The health board with the lowest percentage of reviews was Hywel Dda UHB.
- The largest percentage increase was seen in Swansea Bay UHB.
 Powys Teaching HB demonstrated a reduction in the percentage of reviews.

Table 5. Percentage of patients who are currently prescribed an anticoagulant and have received an anticoagulant review within the last 12 months

	September 2019	September 2020	% Change		
Swansea Bay	21.2%	54.8%	158%		
Hywel Dda	13.8%	21.4%	54.9%		
Betsi Cadwaladr	33.7%	39.4%	16.9%		
Aneurin Bevan	32.0%	37.1%	15.8%		
Cwm Taf Morgannwg	39.9%	45.5%	14.1%		
Cardiff and Vale	45.6%	49.7%	8.84%		
Powys	31.6%	29.7%	-6.04%		
Wales	31.0%	39.7%	27.8%		

Figure 4. Percentage of patients who are currently prescribed an anticoagulant and have received an anticoagulant review within the last 12 months – September 2020 versus September 2019



1.2.3 Patients who are prescribed antiplatelet monotherapy

Purpose: To discourage the inappropriate use of antiplatelet monotherapy in patients with AF.

Units of measure: Number of patients who are prescribed antiplatelet monotherapy, as a percentage of all patients diagnosed with AF.

Aims: To reduce the number of patients with AF who are prescribed antiplatelet monotherapy.

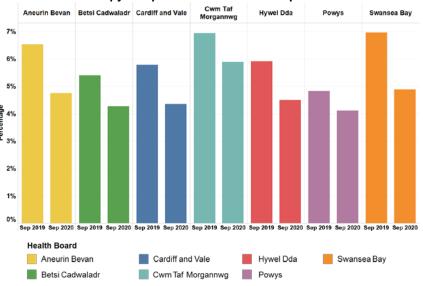
Antiplatelet medication, i.e. aspirin or clopidogrel, is no longer recommended in patients with AF. Quality Statement 2 within the NICE Quality Standard for Atrial fibrillation states that adults with AF should not be prescribed aspirin monotherapy, as the risks of taking aspirin outweigh any benefits. However, prescribers should be aware that adults with AF may need to take aspirin for other indications.

- Across Wales, the number of patients who are prescribed antiplatelet monotherapy (as a percentage of all patients diagnosed with AF) decreased by 23.0% compared with the equivalent month of the previous year. This is in line with the aim of the indicator.
- For the month of September 2020, the percentage patients receiving antiplatelet monotherapy ranged from 4.11% to 5.89% across the health boards.
- The health board with the lowest percentage of antiplatelet monotherapy was Powys Teaching HB. The health board with the highest percentage of antiplatelet monotherapy was Cwm Taf Morgannwg UHB.
- The largest percentage decrease was seen in Swansea Bay UHB. The smallest percentage decrease was seen in Powys Teaching HB.

Table 6. Percentage of patients who are prescribed antiplatelet monotherapy

	September 2019	September 2020	% Change
Swansea Bay	6.96%	4.88%	-29.9%
Aneurin Bevan	6.53%	4.75%	-27.3%
Cardiff and Vale	5.78%	4.35%	-24.8%
Hywel Dda	5.91%	4.50%	-23.8%
Betsi Cadwaladr	5.40%	4.27%	-20.8%
Cwm Taf Morgannwg	6.94%	5.89%	-15.1%
Powys	4.83%	4.11%	-15.0%
Wales	6.11%	4.70%	-23.0%

Figure 5. Percentage of patients who are prescribed antiplatelet monotherapy – September 2020 versus September 2019



1.3 ANTIMICROBIAL STEWARDSHIP

There are two antimicrobial NPIs for 2020–2021:

- 1. Total antibacterial items per 1,000 STAR-PUs
- 4C antimicrobials (co-amoxiclav, cephalosporins, fluoroquinolones and clindamycin) items per 1,000 patients

1.3.1 Total antibacterial items

Purpose: To encourage the appropriate prescribing of all antibiotics in primary care.

Unit of measure: Total antibacterial items per 1,000 STAR-PUs.

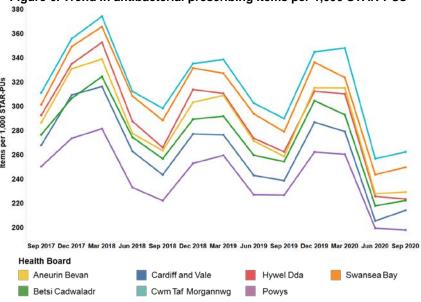
Aim: To reduce prescribing.

- Across Wales, for the quarter ending September 2020, total antibacterial items per 1,000 STAR-PUs reduced by 13.2%, compared with the quarter ending September 2018. This is in line with the indicator target.
- For the quarter ending September 2020, the total number of antibacterial items per 1,000 STAR-PUs ranged from 198 to 262 across the health boards.
- The health board with the lowest prescribing was Powys Teaching HB, whilst the highest prescribing was seen in Cwm Taf Morgannwg UHB.
- For the quarter ending September 2020, all seven health boards achieved the target of a 5% reduction against the baseline of quarter 2 2018–2019.
- Hywel Dda UHB demonstrated the greatest percentage reduction in prescribing, compared with the quarter ending September 2018.
- Powys Teaching HB demonstrated the smallest percentage reduction in prescribing, compared with the quarter ending September 2018.

Table 7. Total antibacterial items per 1,000 STAR-PUs

	2018–2019 Qtr 2	2020–2021 Qtr 2	% Change	
Hywel Dda	266	224	-16.0%	
Swansea Bay	289	250	-13.4%	
Betsi Cadwaladr	257	222	-13.4%	
Aneurin Bevan	264	229	-13.0%	
Cwm Taf Morgannwg	299	262	-12.1%	
Cardiff And Vale	244	214	-12.0%	
Powys	222	198	-10.9%	
Wales	266	231	-13.2%	

Figure 6. Trend in antibacterial prescribing items per 1,000 STAR-PUs



1.3.2 4C antimicrobials

Purpose: To encourage a reduction in variation and reduce overall prescribing of the 4C antimicrobials (co-amoxiclay, cephalosporins, fluoroguinolones and clindamycin) in primary care.

Unit of measure: 4C items per 1,000 patients

Aim: To reduce prescribing.

The use of simple generic antibiotics and the avoidance of these broad-spectrum antibiotics preserve them from resistance and reduce the risk of C. difficile, MRSA and resistant urinary tract infections.

- Across Wales, for the guarter ending September 2020, the number of 4C antimicrobial items per 1,000 patients decreased by 18.4%. compared with the guarter ending September 2018, in line with the aim of this indicator.
- For the quarter ending September 2020, 4C prescribing ranged from 9.30 to 13.6 items per 1,000 patients across the health boards.
- The health board with the lowest prescribing was Aneurin Bevan UHB, whilst the highest prescribing was seen in Cwm Taf Morgannwg UHB.
- 4C prescribing decreased, compared with the quarter ending September 2018, in all seven health boards.
- The largest percentage decrease was seen in Hywel Dda UHB.
- The smallest percentage decrease was seen in Cardiff and Vale UHB.

Table 8. 4C antimicrobial items per 1,000 patients

Betsi Cadwaladr

	2018–2019 Qtr 2	2020–2021 Qtr 2	% Change
Hywel Dda	16.8	11.9	-28.9%
Swansea Bay	16.6	12.3	-25.8%
Cwm Taf Morgannwg	17.8	13.6	-23.4%
Betsi Cadwaladr	15.4	12.8	-16.7%
Powys	12.5	11.0	-11.5%
Aneurin Bevan	10.4	9.30	-11.0%
Cardiff And Vale	9.95	9.76	-1.90%
Wales	14.1	11.5	-18.4%

Figure 7. Trend in 4C antimicrobial items per 1,000 patients 20 17 15 Sep 2017 Dec 2017 Mar 2018 Jun 2018 Sep 2018 Dec 2018 Mar 2019 Jun 2019 Sep 2019 Dec 2019 Mar 2020 Jun 2020 Sep 2020 **Health Board** Aneurin Bevan Cardiff and Vale Swansea Bay Hywel Dda Cwm Taf Morgannwg

Powvs

2.0 SUPPORTING DOMAINS

2.1 SAFETY

2.1.1 Prescribing Safety Indicators

Purpose: To identify patients at high risk of adverse drug reactions (ADRs) and medicines-related harm in primary care.

Units of measure:

Prescribing Safety Indicators related to acute kidney injury (AKI)

- Number of patients on the CKD register (CKD stage 3–5) who have received a repeat prescription for an NSAID within the last three 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 three months.
- Number of patients with concurrent prescriptions of an NSAID, renin-angiotensin system (RAS) drug and a diuretic.
- Number of patients aged 75 years 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 who are prescribed an NSAID plus aspirin and/or clopidogrel but without gastroprotection (PPI or H₂-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 years and over with an Anticholinergic Effect on Cognition (AEC) score of three 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 14–45 years with a prescription for sodium valproate.
- Number of female patients aged 14–45 years with a prescription for oral retinoids.

Prescribing Safety Indicators related to 'other'

- Number of patients under 16 years 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.

Aim: To review patients identified as being at high risk of ADRs and reduce inappropriate prescribing.

In the UK, it is estimated that around 6.5% of hospital admissions are related to adverse drug reactions (ADRs). ADRs can often be predictable making it possible to identify potential causes and address them before actual patient harm occurs. This NPI provides a process of identifying patients electronically, enabling intervention and helping to avoid patient harm.

No target has been set for this NPI and it is not intended that comparisons are made between health boards. However, data can provide a baseline for future quarters to enable monitoring within health boards.

Figure 8. Prescribing Safety Indicators

Prescribing Safety Indicators related to acute kidney injury (AKI)

01. 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*.



02. 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*.

		Aneurin Bevan Betsi Cadwaladr			Ca	rdiff and V	ale	Cwm	Taf Morga	nnwg		Hywel Dda	ı		Powys		s	wansea Ba	ay			
tients	400	4 1 2 4 1 2								-	-		-	-					-			
. of pa	200						•							-			•					
Š	0					4	-	2	4	-	2	4	-	60	4	-	62	4	-	05		
		2019-20 04 2020-21 01 2020-21 02 2019-20 04			2019-20 Q	2020-21 Q	2020-21 Q	2019-20 Q	2020-21 Q	2020-21 Q	2019-20 Q	2020-21 Q	2020-21 Q	2019-20 Q	2020-21 Q	2020-21 Q	2019-20 Q	2020-21 Q	2020-21 Q			
Number of patients		349	297	337	425	408	451	230	228	223	390	374	406	446	406	431	149	124	132	353	332	373

03. Number of patients with concurrent prescriptions of an NSAID, renin-angiotensin system (RAS) drug and a diuretic[†].

	Aneuri	n Bevan	Betsi Ca	ıdwaladr	Cardiff a	and Vale	Cwm Taf N	lorgannwg	Hywe	el Dda	Pov	vys	Swans	еа Вау		
Vo. of patients 600 400 200 800								•	•		•	•				
	2020-21 Q1	2020-21 01 2020-21 02 2020-21 01 2020-21 02		2020-21 Q1	2020-21 02											
Number of patients	844	919	861	897	515			557		792	742		221		612	

^{*} Audit+ searches for this prescribing safety indicator were amended for the quarter ending March 2020. Therefore there are no data before 2019–2020 Q4.

[†] This prescribing safety indicator is new for 2020–2021. Therefore, there are no data before 2020–2021 Q1.

04. Number of patients aged 75 years 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.

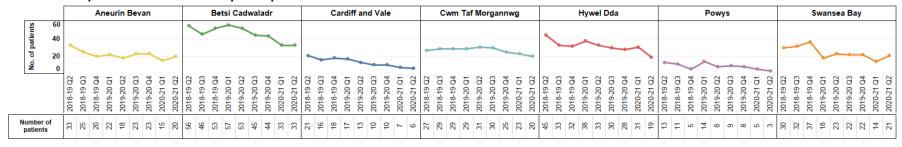
	Aneurir	n Bevan	Betsi Ca	ndwaladr	Cardiff a	nd Vale	Cwm Taf N	lorgannwg	Hywe	l Dda	Pov	vys	Swans	ea Bay
of batients 200 100 100 100 100 100 100 100 100 100	-		-		•		•							
ž 0	2020-21 Q1	2020-21 02	2020-21 Q1	2020-21 Q2										
Number of patients	242	599	214	263	116	168	170	222	303	375	44	99	226	292

Prescribing Safety Indicators related to bleeds

05. Number of patients with a peptic ulcer who have been prescribed NSAIDs without a PPI[†].



06. Number of patients with concurrent prescriptions of warfarin and an oral NSAID.



^{*} This prescribing safety indicator is new for 2020–2021. Therefore, there are no data before 2020–2021 Q1.

[†] Audit+ searches for this prescribing safety indicator were amended for the quarter ending March 2020. Therefore there are no data before 2019–2020 Q4.

07. Number of patients with concurrent prescriptions for a DOAC and an oral NSAID*.

		Aneurir	n Bevan	Betsi Ca	adwaladr	Cardiff a	nd Vale	Cwm Taf N	lorgannwg	Hywe	l Dda	Pov	vys	Swans	ea Bay
ents	100			•	•					•					
patie		•													
o. of	50					•						•	─		
Z	0	~	2	~	5	~	Ø	=	2	=	2	-	2	=	7
		21 Q	21 Q	21 Q	21 Q	21 Q	21 Q	21 Q	21.0	21 Q	21 Q	21 Q	27 0	21 Q	21 Q
		2020-	2020-	2020-	2020-	2020-	2020-	2020-	2020-	2020-	2020-	2020-	2020-	2020-	2020-
Number patient		82	87	118	123	14	51	69	63	125	118	40	%	54	74

08. Number of patients aged 65 years or over prescribed an NSAID plus aspirin and/or clopidogrel but without gastroprotection (PPI or H₂ receptor antagonist)[†].



09. Number of patients with concurrent prescriptions of an oral anticoagulant (warfarin or DOAC) and an SSRI*.

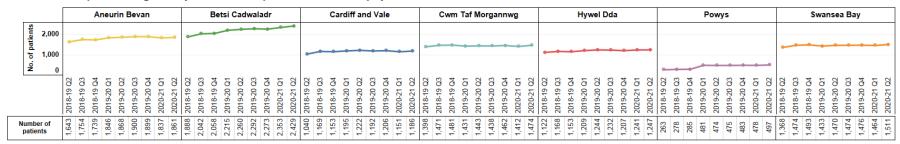
	Aneuri	n Bevan	Betsi Ca	dwaladr	Cardiff a	nd Vale	Cwm Taf N	lorgannwg	Hywe	l Dda	Pov	wys	Swans	еа Вау
o batients 1,000	•	•	•	•	•	•	•		•					
S 0	2020-21 Q1	2020-21 Q2	2020-21 Q1	2020-21 92										
Number of patients	1,989	2,073	1,892	1,977	1,044	1,068	1,640	1,678	1,368	1,382	372	370	1,270	1,315

^{*} This prescribing safety indicator is new for 2020–2021. Therefore, there are no data before 2020–2021 Q1.

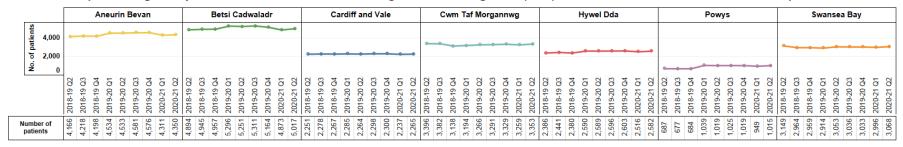
[†] Audit+ searches for this prescribing safety indicator were amended for the quarter ending March 2020. Therefore there are no data before 2019–2020 Q4.

Prescribing Safety Indicators related to cognition

10. Number of patients aged 65 years or over prescribed an antipsychotic.



11. Number of patients aged 75 years 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

12. Number of female patients with a current prescription of oestrogen-only hormone replacement therapy without any hysterectomy READ/SNOMED codes.



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^{*} Audit+ searches for this prescribing safety indicator were amended for the quarter ending March 2020. Therefore there are no data before 2019–2020 Q4.

13. Number of female patients with a past medical history of venous or arterial thrombosis who have been prescribed combined hormonal contraceptives.

			-	٩neι	ırin E	Beva	ın				Bet	tsi C	adv	vala	dr				Ca	rdiff	and	Vale	•			Cw	m Ta	af Mo	orga	nnw	g				Hyw	el D	da					Р	owy	s					Sw	anse	a Ba	у	
No. of patients	40 30 20 10 0	•	•		•		•	مسره		\	•	_	_	_/	_			_		~	-	-	•	_	6	_		_	•			•	_		~	-	<u> </u>		-			_	_		_	-	•	-	_	-	~	•	/
		18-1	2018-19 Q3	2019-20 Q1	2019-20 02	9	2019-20 Q4	2020-21 Q1	2018-19 02	2018-19 Q3	2018-19 Q4	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 04	2020-21 @1	2018-19 02	2018-19 Q3	2018-19 Q4	2019-20 Q1	2019-20 02	2019-20 02	2020-21 Q1	2020-21 02	2018-19 Q2	2018-19 Q3	2019-20 01	2019-20 02	2019-20 Q3	2019-20 Q4	2020-21 Q1	2012-020	2018-19 Q3	2018-19 Q4	2019-20 Q1	2019-20 02	2019-20 03	2020-21 Q1	2020-21 02	2018-19 02	2018-19 Q3 2018-19 Q4	2019-20 Q1	2019-20 02	2019-20 Q3	2019-20 04	2020-21 02	2018-19 02	2018-19 Q3	2018-19 Q4	2019-20 02	2019-20 Q3	2019-20 Q4	2020-21 Q1 2020-21 Q2
Number of patients		17	15	16	14	13	4 ;	4 6	39	28	29	28	17	19	28	35	19	7	13	15	77	= =====================================	=	7	15	6 n	۰ ۲	10	8	9	9 2	- 6	4	17	17	15	9 0	14	14	9	c 4	9	2	e 1	_ (2	24	23	22	16	16	5 5	18

14. Number of female patients aged 14-45 years with a prescription for sodium valproate.

		Aı	neurin	Beva	an			Ве	tsi Ca	dwala	adr			Ca	rdiff a	and V	ale			Cwm	Taf N	lorga	nnwg				Hywe	l Dda					Pov	vys				S	wans	ea Ba	у	
o. of patients) <u>~</u>		-	-	-	-	•		-	-	_	-	•	•	•	•	•	-	•		•	•	-	-•	•	•	•	-	-	-							•	<u> </u>		•	•	-
Ž 0	2019-20 Q1	2019-20 02	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 02	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 Q2	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 02	2019-20 Q1	2019-20 02	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 02	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 Q2	2019-20 Q1	2019-20 02	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 02	2019-20 Q1	2019-20 02	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 02
Number of patients	216	203	194	196	197	194	259	252	236	224	206	208	140	136	137	138	135	128	192	188	173	173	163	161	132	133	130	131	119	115	33	30	32	29	29	27	204	212	193	180	179	173

15. Number of female patients aged 14–45 years with a prescription for oral retinoids[†].

		Aneurir	n Bevan	Betsi C	adwaladr	Cardiff a	and Vale	Cwm Taf N	Morgannwg	Hywe	l Dda	Pov	wys	Swans	sea Bay
tients	20			•											
lo. of pa	10					-									
2	0	2020-21 Q1	2020-21 02												
Number patient		2	9	24	23	9	7	-	-	2	0	0	e e	е	9

^{*} This prescribing safety indicator was new for 2019–2020. Therefore, there are no comparative data for 2018–2019.

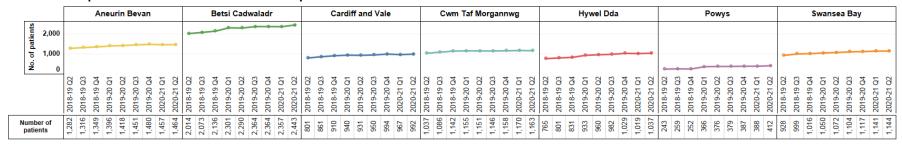
[†] This prescribing safety indicator is new for 2020–2021. Therefore, there are no data before 2020–2021 Q1.

Prescribing Safety Indicators related to 'other'

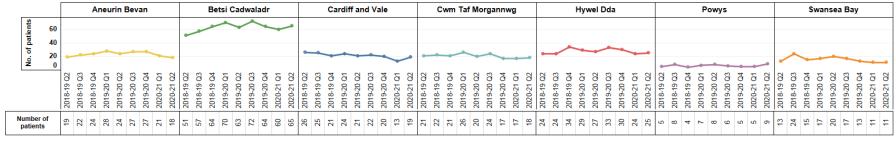
16. Number of patients aged under 16 years with a current prescription of aspirin*.

			Ar	neurir	Bev	an			Be	tsi Ca	dwala	adr			Cai	diff a	nd V	ale			Cwm	Taf M	lorga	nnwg				Hywe	l Dda					Pov	wys				s	wans	ea Ba	ay	
of patients	30 20 10	-	•	•	•	_		-		~	_	•	7	•	_		^	~	٨	•	-		_		١	-	•		•		6							J	-			_	1
Š	0	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 02	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 02	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 Q2	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 Q2	2019-20 Q1	2019-20 Q2	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 Q2	2019-20 Q1	2019-20 02	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 02	2019-20 Q1	2019-20 02	2019-20 Q3	2019-20 Q4	2020-21 Q1	2020-21 Q2
Number patien		27	28	27	29	28	36	29	34	29	34	34	32	14	16	14	20	16	21	24	20	22	26	25	29	17	16	15	16	13	18	5	5	4	8	7	5	31	29	32	34	33	29

17. Number of patients with asthma who have been prescribed a beta-blocker.



18. Number of patients with concurrent prescriptions of verapamil and a beta-blocker.



^{*} This prescribing safety indicator was new for 2019–2020, replacing the previous prescribing safety indicator monitoring the number of patients under the age of 12 years. Therefore, there are no comparative data for 2018–2019.

2.1.2 Proton pump inhibitors

Purpose: To encourage appropriate use of proton pump inhibitors (PPIs) in primary care.

Unit of measure: PPI DDDs per 1,000 PUs.

Aim: To reduce prescribing.

Although PPIs are generally well tolerated, there is increasing evidence that serious adverse effects may be linked with long-term PPI use. These include fractures of the hip, wrist and spine, *Clostridioides difficile* infection, and hypomagnesaemia. Prescribers are therefore encouraged to review and reduce prescribing where possible.

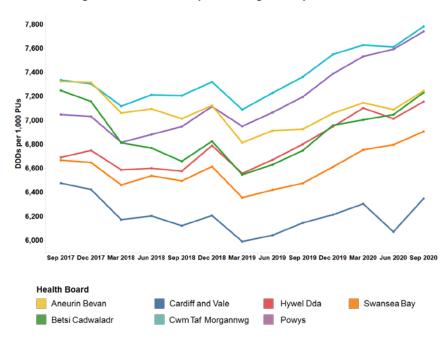
- Across Wales, for the quarter ending September 2020, PPI DDDs per 1,000 PUs increased by 5.64%, compared with the quarter ending September 2019, despite the aim of the indicator being to decrease prescribing.
- For the quarter ending September 2020, PPI usage ranged from 6,349 to 7,783 DDDs per 1,000 PUs across the health boards.
- The health board with the lowest prescribing was Cardiff and Vale UHB whilst the highest prescribing was seen in Cwm Taf Morgannwg UHB.
- All seven health boards demonstrated an increase in DDDs per 1,000 PUs, compared with the equivalent quarter of the previous year.
- The smallest percentage increase was seen in Cardiff and Vale UHB, and the largest percentage increase was seen in Powys Teaching HB.

Please note: Consideration should be given to the impact of disruption to the supply of ranitidine from October 2019, and the subsequent recommendation to switch patients to omeprazole where ongoing treatment is still required, and the patient cannot be stepped down to an alginate or antacid.

Table 9. PPI DDDs per 1,000 PUs

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Cardiff And Vale	6,145	6,349	3.31%
Aneurin Bevan	6,926	7,246	4.62%
Hywel Dda	6,801	7,156	5.22%
Cwm Taf Morgannwg	7,362	7,783	5.72%
Swansea Bay	6,476	6,907	6.67%
Betsi Cadwaladr	6,748	7,232	7.17%
Powys	7,196	7,741	7.58%
Wales	6,774	7,156	5.64%

Figure 9. Trend in PPI prescribing DDDs per 1,000 PUs



2.1.3 Hypnotics and anxiolytics

Purpose: To encourage a reduction in the inappropriate prescribing of hypnotics and anxiolytics in primary care.

Unit of measure: Hypnotic and anxiolytic UDG ADQs per 1,000 STAR-PUs.

Aim: To reduce prescribing.

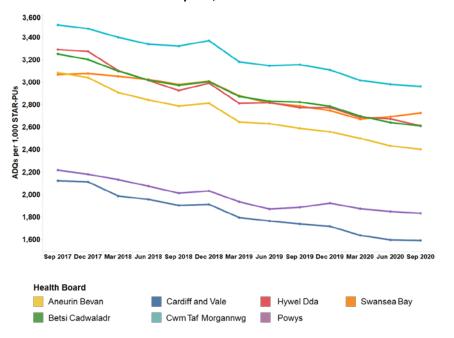
There has been concern with regard to the high level of hypnotic and anxiolytic prescribing in NHS Wales. Some prescribing may be inappropriate and contribute to the problem of physical and psychological dependence, and/or may be responsible for masking underlying depression.

- Across Wales, the prescribing of hypnotics and anxiolytics decreased by 6.25% for the quarter ending September 2020 compared with the equivalent quarter of the previous year, in line with the aim of this indicator.
- For the quarter ending September 2020, hypnotic and anxiolytic prescribing ranged from 1,593 to 2,963 ADQs per 1,000 STAR-PUs across the health boards.
- The health board with the lowest prescribing was Cardiff and Vale UHB, whilst the highest prescribing was seen in Cwm Taf Morgannwg UHB
- Hypnotic and anxiolytic prescribing decreased compared with the equivalent quarter of the previous year in all of the health boards.
- The largest percentage decrease was seen in Cardiff and Vale UHB, and the smallest percentage decrease was seen in Swansea Bay UHB.

Table 10. Hypnotic and anxiolytic ADQs per 1,000 STAR-PUs

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Cardiff And Vale	1,740	1,593	-8.45%
Betsi Cadwaladr	2,824	2,611	-7.54%
Aneurin Bevan	2,590	2,403	-7.22%
Cwm Taf Morgannwg	3,157	2,963	-6.13%
Hywel Dda	2,775	2,613	-5.84%
Powys	1,887	1,834	-2.81%
Swansea Bay	2,789	2,727	-2.21%
Wales	2,621	2,457	-6.25%

Figure 10. Trend in hypnotic and anxiolytic prescribing ADQs per 1,000 STAR-PUs



2.1.4 Yellow Cards

Purpose: To encourage an increase in the number of Yellow Cards submitted in Wales.

Unit of measure: Number of Yellow Cards submitted per GP practice, per hospital, per health board and by members of the public. Number of Yellow Cards submitted by community pharmacies, by health board.

Aim: To increase reporting.

The Yellow Card Scheme is vital in helping the Medicines and Healthcare products Regulatory Agency (MHRA) monitor the safety of medicines and vaccines that are on the market.

Yellow Card reporting supports the identification and collation of ADRs, which might not have been known about before.

A strong safety culture requires good reporting of adverse events and critical incidents from across all professions and healthcare settings, as well as from patients.

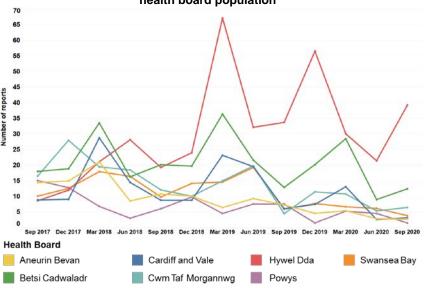
GP practices

- The number of Yellow Cards submitted by GP practices decreased by 8.4% compared with the equivalent quarter of the previous year.
- The largest percentage increase in GP practice reporting was seen in Cwm Taf Morgannwg UHB. The largest percentage decrease was seen in Powys Teaching HB.

Table 11. Number of Yellow Cards submitted by GP practices

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Cwm Taf Morgannwg	20	29	45.0%
Hywel Dda	130	152	16.9%
Betsi Cadwaladr	90	87	-3.33%
Swansea Bay	23	15	-34.8%
Cardiff and Vale	30	16	-46.7%
Aneurin Bevan	43	16	-62.8%
Powys	10	2	-80.0%
Wales	346	317	-8.40%

Figure 11. Number of Yellow Cards submitted by GP practices per 100,000 health board population*



^{*} Please note: prior to the quarter ending June 2019, data displayed for Cwm Taf Morgannwg and Swansea Bay UHBs relate to the former health boards of Cwm Taf and Abertawe Bro Morgannwg respectively.

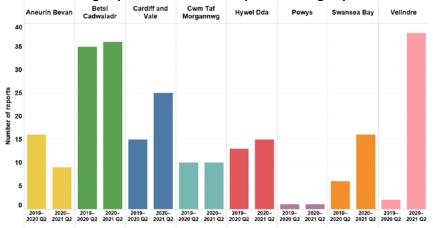
Secondary care

- The number of Yellow Cards submitted by secondary care increased by 53.1% compared with the equivalent quarter of the previous year.
- The largest percentage increase in secondary care reporting was seen in Velindre NHS Trust. The largest percentage decrease was seen in Aneurin Bevan UHB.

Table 12. Number of Yellow Cards submitted by secondary care

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Velindre	2	38	1800%
Swansea Bay	6	16	167%
Cardiff and Vale	15	25	66.7%
Hywel Dda	13	15	15.4%
Betsi Cadwaladr	35	36	2.86%
Cwm Taf	10	10	0.00%
Powys	1	1	0.00%
Aneurin Bevan	16	9	-43.8%
Wales	98	150	53.1%

Figure 12. Number of Yellow Cards submitted by secondary care – Quarter ending September 2020 versus quarter ending September 2019



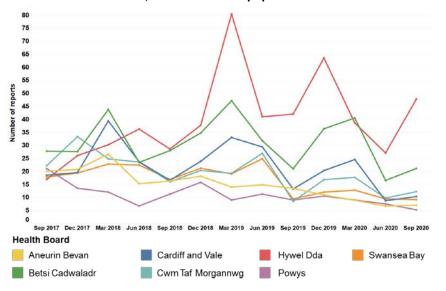
Health boards/NHS Trust

- The number of Yellow Cards submitted by health boards increased by 3.49% compared with the equivalent quarter of the previous year.
- The largest percentage increase was seen in Velindre NHS Trust. The largest percentage decrease was seen in Aneurin Bevan UHB.

Table 13. Number of Yellow Cards submitted by health board/NHS Trust

	2019–2020 Qtr 2	2020-2021 Qtr 2	% Change
Velindre	2	38	1800%
Cwm Taf Morgannwg	38	55	44.7%
Hywel Dda	162	185	14.2%
Betsi Cadwaladr	147	148	0.68%
Swansea Bay	37	36	-2.70%
Cardiff and Vale	66	52	-21.2%
Powys	12	7	-41.7%
Aneurin Bevan	80	42	-47.5%
Wales	544	563	3.49%

Figure 13. Number of Yellow Cards submitted by health boards per 100,000 health board population*



^{*} Please note: prior to the quarter ending June 2019, data displayed for Cwm Taf Morgannwg and Swansea Bay UHBs relate to the former health boards of Cwm Taf and Abertawe Bro Morgannwg respectively.

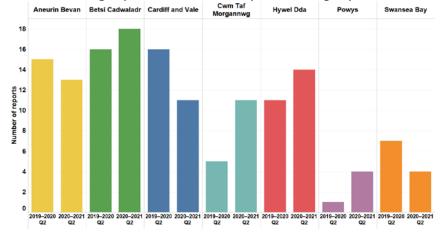
Members of the public

- The number of Yellow Cards submitted by members of the public increased by 5.63% compared with the equivalent quarter of the previous year.
- The largest percentage increase in member of the public reporting was seen in Powys Teaching HB. The largest percentage decrease was seen in Swansea Bay UHB.

Table 14. Number of Yellow Cards submitted by members of the public

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Powys	1	4	300%
Cwm Taf Morgannwg	5	11	120%
Hywel Dda	11	14	27.3%
Betsi Cadwaladr	16	18	12.5%
Aneurin Bevan	15	13	-13.3%
Cardiff and Vale	16	11	-31.3%
Swansea Bay	7	4	-42.9%
Wales	71	75	5.63%

Figure 14. Number of Yellow Cards submitted by members of the public – Quarter ending September 2020 versus quarter ending September 2019



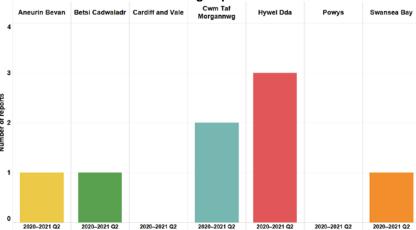
Community pharmacy

- Across Wales, a total of 8 Yellow Card reports were submitted by community pharmacies during the quarter ending September 2020.
- The number of Yellow Card reports submitted by community pharmacies in health boards across Wales ranged from zero to three.

Table 15. Number of Yellow Cards submitted by community pharmacies

	2020–2021 Qtr 2
Hywel Dda	3
Cwm Taf Morgannwg	2
Aneurin Bevan	1
Betsi Cadwaladr	1
Swansea Bay	1
Cardiff and Vale	0
Powys	0
Wales	8

Figure 15. Number of Yellow Cards submitted by community pharmacy – Quarter ending September 2020



2.2 EFFICIENCY INDICATORS

2.2.1 Best value biological medicines

Purpose: To ensure prescribing of best value biological medicines supports cost-efficient prescribing in primary and secondary care in Wales.

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

Aim: Increase the appropriate use of cost-efficient biological medicines, including biosimilar medicines.

Biological medicines are those that are made or derived from a biological source and, as such, are complex, with inherent variability in their structure. A biosimilar medicine is a biological medicine that is developed to be highly similar and clinically equivalent to an existing biological medicine (i.e. 'reference' medicine or 'originator' medicine). Continuing development of biosimilar medicines offers an increased choice for patients and clinicians.

There is an increasing range of biosimilar products becoming available and therefore new products will be monitored and reported on in this section of the NPI report as they begin to be used within NHS Wales.

MHRA guidelines state that biological medicines, including biosimilar medicines, must be prescribed by brand name to prevent automatic substitution taking place without clinician and patient involvement, and to support ongoing pharmacovigilance of the individual products.

Please note: Where relevant, data for the primary care usage of the biological medicines have been included within the overall figures.

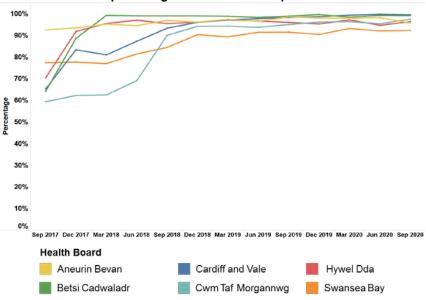
2.2.1.1 Infliximab

- Across Wales, for the quarter ending September 2020, infliximab biosimilar prescribing increased by 0.17%, compared with the equivalent quarter of the previous year. This is in line with the aim of this indicator.
- For the quarter ending September 2020, infliximab biosimilar prescribing ranged from 92.3% to 99.5% across the health boards.
- The health board with the highest percentage was Cardiff and Vale UHB whilst the lowest percentage was seen in Swansea Bay UHB.
- Five health boards demonstrated an increase in percentage, compared with the equivalent quarter of the previous year.
- Cwm Taf Morgannwg UHB demonstrated the largest percentage increase.
- Aneurin Bevan UHB demonstrated a percentage decrease.

Table 16. Infliximab biosimilars as a percentage of reference and biosimilar prescribed

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Cwm Taf Morgannwg	95.0%	97.5%	2.63%
Cardiff and Vale	98.3%	99.5%	1.28%
Swansea Bay	91.5%	92.3%	0.92%
Hywel Dda	96.0%	96.4%	0.34%
Betsi Cadwaladr	98.9%	99.1%	0.23%
Aneurin Bevan	98.5%	95.7%	-2.85%
Wales	96.6%	96.8%	0.17%

Figure 16. Trend in infliximab biosimilar (Inflectra®, Remsima®) prescribing as a percentage of total infliximab prescribed



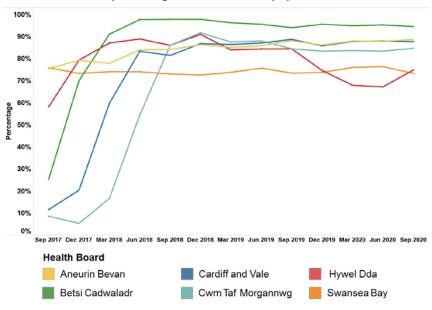
2.2.1.2 Etanercept

- Across Wales, for the quarter ending September 2020, etanercept biosimilar prescribing decreased by 2.29%, compared with the equivalent quarter of the previous year. This is contrary to the aim of this indicator.
- For the quarter ending September 2020, etanercept biosimilar prescribing ranged from 73.4% to 94.6% across the health boards.
- The health board with the highest percentage was Betsi Cadwaladr UHB whilst the lowest percentage was seen in Swansea Bay UHB.
- Three health boards demonstrated an increase in percentage, compared with the equivalent guarter of the previous year.
- Aneurin Bevan UHB demonstrated the largest percentage increase.
- Hywel Dda UHB demonstrated the largest percentage decrease.

Table 17. Etanercept biosimilars as a percentage of reference and biosimilar prescribed

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Aneurin Bevan	88.2%	88.7%	0.65%
Betsi Cadwaladr	94.1%	94.6%	0.52%
Cwm Taf Morgannwg	84.5%	84.7%	0.27%
Swansea Bay	73.5%	73.4%	-0.16%
Cardiff and Vale	88.8%	87.8%	-1.17%
Hywel Dda	84.5%	74.9%	-11.4%
Wales	83.7%	81.8%	-2.29%

Figure 17. Trend in etanercept biosimilar (Benepali®, Erelzi®) prescribing as a percentage of total etanercept prescribed



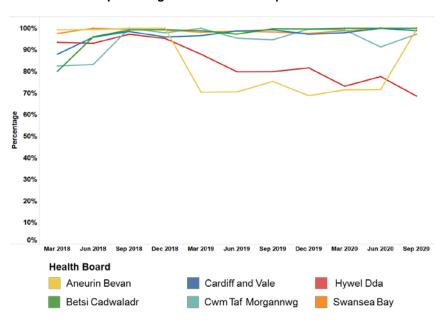
2.2.1.3 Rituximab

- Across Wales, for the quarter ending September 2020, rituximab biosimilar prescribing increased by 2.81%, compared with the equivalent quarter of the previous year. This is in line with the aim of this indicator.
- As Velindre Trust had no usage of the biological medicine within the quarter ending September 2020 it is not considered further within this analysis.
- For the quarter ending September 2020, rituximab biosimilar prescribing ranged from 68.6% to 100% across the health boards.
- The health board with the highest percentage was Betsi Cadwaladr UHB, whilst the lowest percentage was seen in Hywel Dda UHB.
- Four health boards demonstrated an increase in percentage, compared with the equivalent quarter of the previous year.
- Aneurin Bevan UHB demonstrated the largest percentage increase.
- Hywel Dda UHB demonstrated the largest percentage decrease.

Table 18. Rituximab biosimilar as a percentage of reference and biosimilar prescribed

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Aneurin Bevan	75.4%	99.5%	32.0%
Cwm Taf Morgannwg	94.7%	97.3%	2.73%
Swansea Bay	98.3%	98.9%	0.59%
Betsi Cadwaladr	99.8%	100%	0.21%
Cardiff and Vale	99.3%	99.0%	-0.37%
Hywel Dda	79.9%	68.6%	-14.1%
Velindre	100%	N/A	N/A
Wales	93.8%	96.4%	2.81%

Figure 18. Trend in rituximab biosimilar (Truxima®) prescribing as a percentage of total rituximab prescribed



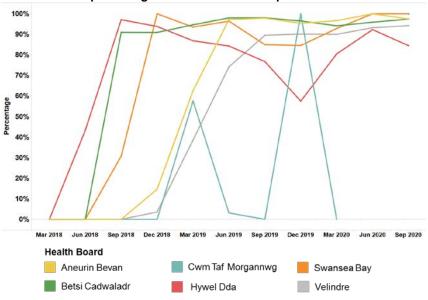
2.2.1.4 Trastuzumab

- Across Wales, trastuzumab biosimilar prescribing increased by 5.01%, for the quarter ending September 2020 compared with the equivalent quarter of the previous year. This is in line with the aim of this indicator.
- For the quarter ending September 2020, trastuzumab biosimilar prescribing ranged from 84.5% to 100% across the health boards.
- The health boards with the highest percentages were Cwm Taf Morgannwg UHB and Swansea Bay UHB whilst the lowest percentage was seen in Hywel Dda UHB.
- Four health boards demonstrated an increase in percentage, compared with the equivalent quarter of the previous year.
- Cwm Taf Morgannwg UHB demonstrated the largest percentage increase
- Betsi Cadwaladr UHB demonstrated the largest percentage decrease.

Table 19. Trastuzumab biosimilar as a percentage of reference and biosimilar prescribed

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Cwm Taf Morgannwg	0.0%	100%	N/A
Swansea Bay	85.0%	100%	17.6%
Hywel Dda	76.8%	84.5%	10.1%
Velindre	89.5%	94.2%	5.25%
Aneurin Bevan	97.9%	97.5%	-0.41%
Betsi Cadwaladr	98.1%	97.4%	-0.62%
Wales	90.6%	95.1%	5.01%

Figure 19. Trend in trastuzumab biosimilar (Ontruzant®) prescribing as a percentage of total trastuzumab prescribed



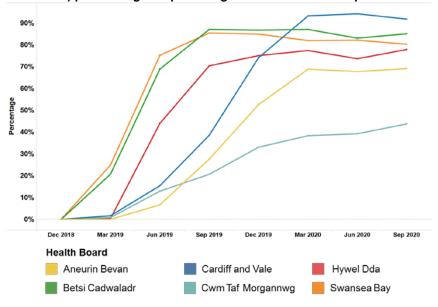
2.2.1.5 Adalimumab

- Across Wales, adalimumab biosimilar prescribing increased by 31.5%, for the quarter ending September 2020 compared with the equivalent quarter of the previous year. This is in line with the aim of this indicator.
- For the quarter ending September 2020, adalimumab biosimilar prescribing ranged from 43.8% to 91.8% across the health boards.
- The health board with the highest percentage was Cardiff and Vale UHB whilst the lowest percentage was seen in Cwm Taf Morgannwg UHB.
- Four health boards demonstrated an increase in percentage, compared with the equivalent quarter of the previous year.
- Aneurin Bevan UHB demonstrated the largest percentage increase.
- Swansea Bay UHB demonstrated the largest percentage decrease.

Table 20. Adalimumab biosimilar as a percentage of reference and biosimilar prescribed

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Aneurin Bevan	27.6%	69.1%	150%
Cardiff and Vale	38.6%	91.8%	138%
Cwm Taf Morgannwg	20.7%	43.8%	112%
Hywel Dda	70.4%	77.9%	10.6%
Betsi Cadwaladr	87.1%	85.1%	-2.26%
Swansea Bay	85.4%	80.3%	-6.05%
Wales	59.2%	77.8%	31.5%

Figure 20. Trend in adalimumab biosimilar (Amgevita®, Hulio®, Hyrimoz®, Imraldi®) prescribing as a percentage of total adalimumab prescribed



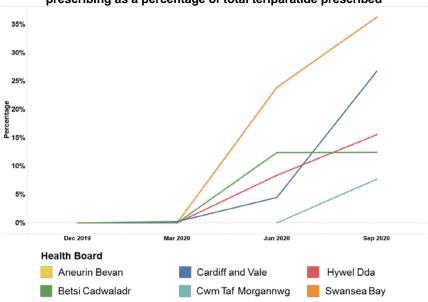
2.2.1.6 Teriparatide

- For the quarter ending September 2020, teriparatide biosimilar prescribing ranged from 0.0% to 36.2% across the health boards.
- The health board with the highest percentage was Swansea Bay UHB whilst the lowest percentage was seen in Aneurin Bevan UHB.
- Five health boards demonstrated an increase in percentage, compared with the equivalent quarter of the previous year.
- Aneurin Bevan UHB demonstrated no change in the percentage of biosimilar prescribed.

Table 21. Teriparatide biosimilar as a percentage of reference and biosimilar prescribed

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Swansea Bay	0.0%	36.2%	N/A
Cardiff and Vale	0.0%	26.7%	N/A
Hywel Dda	0.0%	15.5%	N/A
Betsi Cadwaladr	0.0%	12.4%	N/A
Cwm Taf Morgannwg	0.0%	7.69%	N/A
Aneurin Bevan	0.0%	0.0%	0.0%
Wales	0.0%	21.8%	N/A

Figure 21. Trend in teriparatide biosimilar (Movymia®, Terrosa®) prescribing as a percentage of total teriparatide prescribed



2.2.1.7 Total biosimilar usage

Within Wales there was an increase in the use of the reported biosimilar medicines (infliximab, etanercept, rituximab, trastuzumab, adalimumab and teriparatide) combined as a percentage of reported 'reference' biological medicines plus biosimilars combined, from 78% to 83% for the quarter ending September 2020 compared with the equivalent quarter of the previous year.

Figure 22. Biological reference and biosimilar as a proportion of total reference plus biosimilar prescribed – Quarter ending September 2020

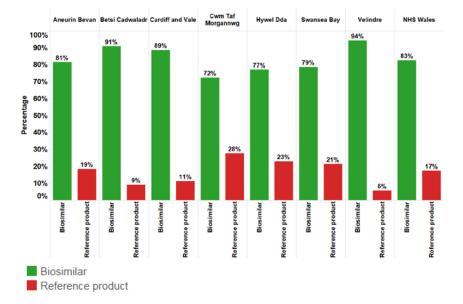
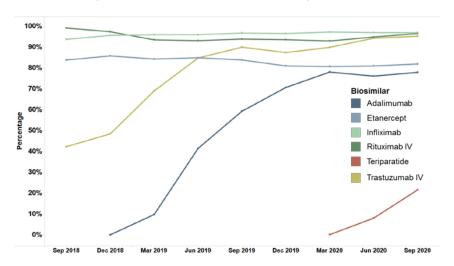


Figure 23. Trend in biosimilar percentage in Wales



2.2.2 Insulin

Purpose: To encourage a reduction in the prescribing of long-acting insulin analogues in primary and secondary care in line with NICE guidance to maximise cost-effectiveness in Wales.

Unit of measure: Items/number of long-acting insulin analogues expressed as a percentage of total long- and intermediate-acting insulin prescribed in primary and secondary care.

Aim: To reduce prescribing.

NICE guidance recommends human isophane (neutral protamine Hagedorn [NPH]) insulin as the first choice insulin-based treatment when prescribing insulin in type 2 diabetes mellitus. For most people with type 2 diabetes, long-acting insulin analogues offer no significant benefit over human isophane insulin and are more expensive.

This report considers data sets from both secondary and primary care, as prescribing will usually be continued in the primary care setting following secondary care initiation.

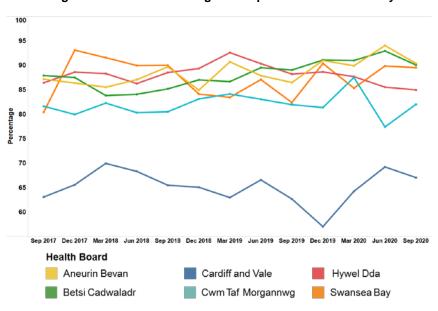
Secondary care prescribing

- Across Wales, secondary care use of long-acting insulin as a percentage
 of all long- and intermediate-acting insulin prescribing was 3.29% higher in
 the quarter ending September 2020 than in the equivalent quarter of the
 previous year. This is contrary to the aim of the indicator.
- For the quarter ending September 2020, prescribing of long-acting insulin analogues as a percentage of total long- and intermediate-acting insulin ranged from 67.1% to 90.4%.
- The health board with the lowest prescribing percentage was Cardiff and Vale UHB. The highest prescribing percentage was seen in Aneurin Bevan UHB.
- The proportion of long-acting insulin analogue prescribing decreased compared with the equivalent quarter of the previous year in Hywel Dda UHB, and increased in the other five health boards.
- The health board with the greatest percentage increase was Swansea Bay UHB.

Table 22. Long-acting insulin analogues as a percentage of total long- and intermediate-acting insulin prescribing in secondary care

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Hywel Dda	88.2%	85.0%	-3.67%
Cwm Taf Morgannwg	82.0%	82.0%	0.10%
Betsi Cadwaladr	89.0%	90.1%	1.15%
Aneurin Bevan	86.5%	90.4%	4.52%
Cardiff and Vale	62.7%	67.1%	6.96%
Swansea Bay	82.4%	89.5%	8.66%
Wales	81.0%	83.7%	3.29%

Figure 24. Trend in long-acting analogue prescribing as a percentage of total long- and intermediate-acting insulin prescribed in secondary care



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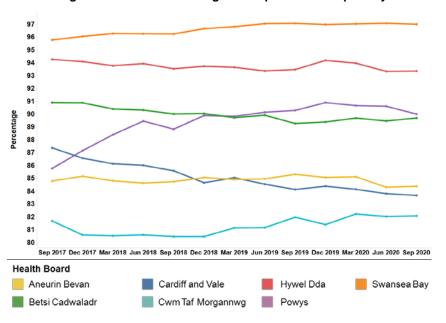
Primary care prescribing

- Across Wales, the prescribing of long-acting insulin analogues as a
 proportion of total long and intermediate-acting insulin prescribing
 decreased by 0.21% for the quarter ending September 2020,
 compared with the equivalent quarter of the previous year. This is in
 line with the aim of the indicator.
- For the quarter ending September 2020, long-acting insulin analogue prescribing ranged from 82.1% to 97.0% across the health boards.
- The health board with the lowest prescribing was Cwm Taf Morgannwg UHB, whilst the highest prescribing was seen in Swansea Bay UHB.
- Across the seven health boards in Wales, prescribing decreased compared with the equivalent quarter of the previous year in five health boards and increased in two health boards.
- The health board with the greatest percentage decrease was Aneurin Bevan UHB.
- The largest percentage increase was seen in Betsi Cadwaladr UHB.

Table 23. Long-acting insulin analogues as a percentage of total long- and intermediate-acting insulin prescribing in primary care

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Aneurin Bevan	85.3%	84.4%	-1.09%
Cardiff And Vale	84.1%	83.7%	-0.55%
Powys	90.3%	90.0%	-0.32%
Hywel Dda	93.5%	93.4%	-0.13%
Swansea Bay	97.1%	97.0%	-0.07%
Cwm Taf Morgannwg	82.0%	82.1%	0.13%
Betsi Cadwaladr	89.3%	89.7%	0.48%
Wales	88.1%	87.9%	-0.21%

Figure 25. Trend in long-acting analogue prescribing as a percentage of total long- and intermediate-acting insulin prescribed in primary care



2.2.3 Low value for prescribing

Purpose: To drive a reduction in the prescribing of items considered not suitable for routine prescribing in Wales.

Unit of measure: Low value for prescribing UDG spend per 1,000 patients.

Aim: To reduce prescribing of items considered not suitable for prescribing in Wales.

The aim of the *Low Value for Prescribing in NHS Wales* initiative is to minimise the prescribing of items that offer a limited clinical benefit to patients and where more cost-effective treatments may be available.

Five items/item groups were identified for the purposes of the first phase of this initiative:

- co-proxamol
- lidocaine plasters
- tadalafil once-daily preparations
- liothyronine
- doxazosin modified release tablets.

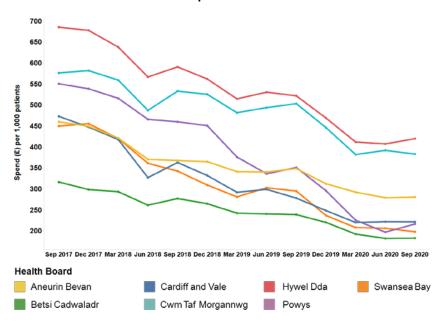
An additional four groups were included in the second phase:

- omega-3 fatty acid compounds
- oxycodone and naloxone combination product
- paracetamol and tramadol combination product
- perindopril arginine.
- Across Wales, low value for prescribing UDG spend per 1,000 patients decreased by 23.3% for the quarter ending September 2020, compared with the equivalent quarter of the previous year. This is in line with the aim of the indicator.
- For the quarter ending September 2020, UDG spend per 1,000 patients ranged from £183 to £420 across the health boards.
- The health board with the lowest UDG spend per 1,000 patients was Betsi Cadwaladr UHB, whilst the highest spend was seen in Hywel Dda.
- UDG spend per 1,000 patients decreased compared with the equivalent guarter of the previous year in all seven health boards.
- The health board with the greatest percentage decrease was Powys Teaching HB.
- The smallest percentage decreases were seen in Hywel Dda UHB (-19.54%) and Aneurin Bevan UHB (19.47%).

Table 24. Low value for prescribing UDG spend (£) per 1,000 patients

	2019–2020 Qtr 2	2020–2021 Qtr 2	% Change
Powys	352	217	-38.3%
Swansea Bay	295	198	-32.9%
Cwm Taf Morgannwg	504	383	-23.9%
Betsi Cadwaladr	239	183	-23.5%
Cardiff And Vale	279	222	-20.3%
Hywel Dda	522	420	-19.5%
Aneurin Bevan	349	281	-19.5%
Wales	351	269	-23.3%

Figure 26. Trend in low value for prescribing UDG spend per 1,000 patients



CAUTION WITH INTERPRETING NPI MONITORING DATA

Calculations for the percentage difference reported are based on raw data, and values may therefore vary slightly from those calculated from the data tables or graphs, where figures have been rounded up or down.

Data for the Prescribing Safety Indicators have been provided by Audit+, the GP software tool delivered and supported by the NHS Wales Informatics Service (NWIS).

As of Quarter 3 2018–2019, the method of calculating secondary care data for the Insulin NPI has changed. Therefore, any comparison to historic data before that point should be made via SPIRA rather than any previously published quarterly reports.

The Medusa data warehouse is reliant on data input by individual hospital pharmacy departments. If the data on a medicine are inputted under an alternative name to the usual generic or brand name, it may not be identified at extraction.

Medusa records the issue of medicines within the secondary care setting in Wales. Where supplies are issued to named patients, it can be assumed that the difference between number of medicines issued and number administered to patients is not significant. However, when the supplies are issued to wards or clinics, these items are often held as stock and therefore may be administered to patients at a considerably later point in time. However, within this report they are only considered for analysis within the time period they were issued.

The report includes medicines supplied by homecare and recorded through the hospital system; medicines supplied through other homecare providers are not included in this report. Therefore some medicines use data may currently be incomplete. This issue is being worked on within NHS Wales as a priority.

Medicines supplied through hospitals in England or on FP10HP (issued by hospital clinicians in NHS England) to patients resident in Wales, which do not get issued via Medusa or recorded through CASPA, are not included in this report.

Combining data obtained from two different software systems provides challenges, particularly as CASPA and Medusa report data via different measurement criteria. Hence, in order to amalgamate data, total cost of medicine usage is reported for all indicators and, where relevant, other measures such as total quantity, items and number are also reported.

GLOSSARY

ADQ – The average daily quantity (ADQ) is a measure of prescribing volume based upon prescribing behaviour in England. It represents the assumed average maintenance dose per day for a medicine used for its main indication in adults. The ADQ is not a recommended dose but an analytical unit to compare prescribing activity.

DDD – The defined daily dose (DDD), developed by the World Health Organization, is a unit of measurement whereby each medicine is assigned a value within its recognised dosage range. The value is the assumed average maintenance dose per day for a medicine when used for its main indication in adults. A medicine can have different DDDs depending on the route of administration.

PU – Prescribing units (PUs) were adopted to take account of the greater need of elderly patients for medication in reporting prescribing performance at both the practice and primary care organisational level.

PRESCRIBING – Although the term 'prescribing' is used in this report, the data presented within the primary care section of the report represent prescriptions that have been dispensed and forwarded for pricing. It is assumed that the difference between the number of prescriptions issued and those dispensed is not significant, and that dispensing provides an accurate representation of prescribing. In relation to the secondary care data presented within this report please see information above.

STAR-PU – Specific therapeutic group age-sex related prescribing units (STAR-PUs) are designed to measure prescribing weighted for age and sex of patients. There are differences in the age and sex of patients for whom medicines in specific therapeutic groups are usually prescribed. To make such comparisons, STAR-PUs have been developed based on costs of prescribing of items within therapeutic groups.

UDG – A user defined group is a specific basket of items developed to monitor a particular NPI.

APPENDIX 1. AWMSG NATIONAL PRESCRIBING INDICATORS 2020–2021

Table 1 Priority area NPIs for 2020–2021

National Prescribing Indicator	Applicable to:	Unit of measure	Target for 2020–2021	Data source	
Priority areas					
Analgesics	Primary care	Opioid burden user defined group (UDG) ADQs per 1,000 patients	Maintain performance levels within the lower quartile, or show a reduction towards the quartile below.	NWSSP	
		Tramadol DDDs per 1,000 patients	Maintain performance levels within the lower quartile, or show a reduction towards the quartile below.	NWSSP	
		Gabapentin and pregabalin DDDs per 1,000 patients	Maintain performance levels within the lower quartile, or show a reduction towards the quartile below.	NWSSP	
Anticoagulants in atrial fibrillation	Primary care	The number of patients with AF and a CHA ₂ DS ₂ -VAS _C score of 2 or more who are currently prescribed an anticoagulant, as a percentage of all patients with AF.	To increase the number of patients with AF and a CHA ₂ DS ₂ -VAS _C score of 2 or more prescribed an anticoagulant.	NWIS	
		The number of patients diagnosed with AF who are prescribed an anticoagulant and have received an anticoagulant review within the last 12 months, as a percentage of all patients diagnosed with AF who are prescribed an anticoagulant.	To increase the number of patients who are prescribed an anticoagulant and have received an anticoagulant review within the last 12 months.		
		The number of patients diagnosed with AF who are prescribed antiplatelet monotherapy, as a percentage of all patients diagnosed with AF.	To reduce the number of patients with AF prescribed antiplatelet monotherapy.		
Antimicrobial stewardship	Primary care	Total antibacterial items per 1,000 STAR-PUs	Health board target: a quarterly reduction of 5% against a baseline of April 2018–March 2019. GP Practice target: Maintain performance levels within the lower quartile, or show a reduction towards the quartile below.	NWSSP	
		Number of 4C antimicrobial (co-amoxiclav, cephalosporins, fluoroquinolones and clindamycin) items per 1,000 patients	Health board target: A quarterly reduction of 10% against a baseline of April 2018–March 2019. GP Practice target: Maintain performance levels within the lower quartile, or show a reduction towards the quartile below.	NWSSP	

National Prescribing Indicator	Applicable to:	Unit of measure	Target for 2020–2021	Data source	
Supporting Doma	in: Safety				
Prescribing Safety Indicators	Primary care	Number of patients identified	No target set	NWIS	
Proton pump inhibitors	Primary care	PPI DDDs per 1,000 PUs	Maintain performance levels within the lower quartile, or show a reduction towards the quartile below	NWSSP	
Hypnotics and anxiolytics	Primary care	Hypnotic and anxiolytic UDG ADQs per 1,000 STAR-PUs	Maintain performance levels within the lower quartile, or show a reduction towards the quartile below	NWSSP	
Yellow Cards Health board Commu	Primary care		One Yellow Card per 2,000 GP practice population	MHRA	
		Number of Yellow Cards submitted	One Yellow Card per 2,000 health board population 20% or greater increase from baseline (2019–2020) for Yellow Cards submitted by secondary care 50% or greater increase from baseline (2019–2020) for Yellow Cards submitted by members of the public No target set. Reported as the number of Yellow Cards		
Supporting Dame			submitted by health board		
Supporting Doma			Increase the appropriate use of cost officient		
biological medicines	Primary + secondary care	Quantity of best value biological medicines prescribed as a percentage of total 'biosimilar' plus 'reference' product.	Increase the appropriate use of cost-efficient biological medicines, including biosimilar medicines	NWSSP NWIS	
Insulin	Primary + secondary care	Items/number of long-acting insulin analogues as a percentage of total long- and intermediate-acting insulin prescribed	Reduce prescribing of long-acting insulin analogues and achieve prescribing levels below the Welsh average	NWSSP NWIS	
Low value for prescribing	Primary care	Low value for prescribing UDG spend per 1,000 patients	Maintain performance levels within the lower quartile or show a reduction towards the quartile below	NWSSP	

APPENDIX 2. PRIMARY CARE NPI PRESCRIBING BY GP CLUSTER

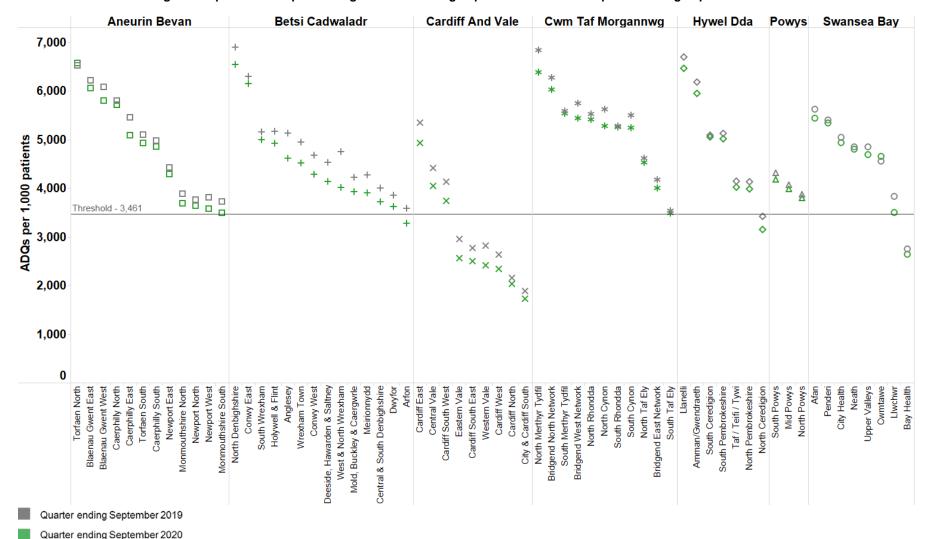


Figure 1. Opioid burden prescribing – Quarter ending September 2020 versus quarter ending September 2019*

^{*} Please note: The NHS Business Services Authority's move to a One Drug Database has resulted in the removal of the ADQ value for co-codamol 15/500 from January 2020 onwards.

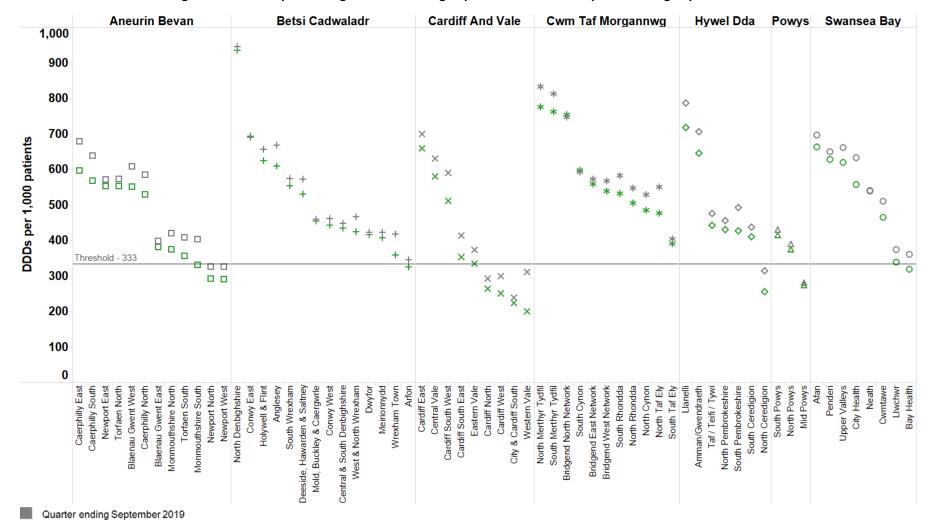
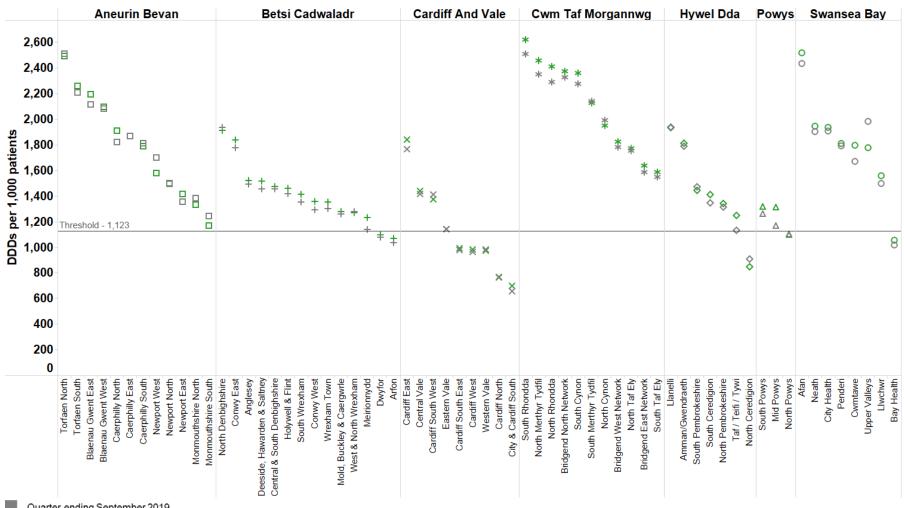


Figure 2. Tramadol prescribing – Quarter ending September 2020 versus quarter ending September 2019

Figure 3. Gabapentin and pregabalin prescribing – Quarter ending September 2020 versus quarter ending September 2019



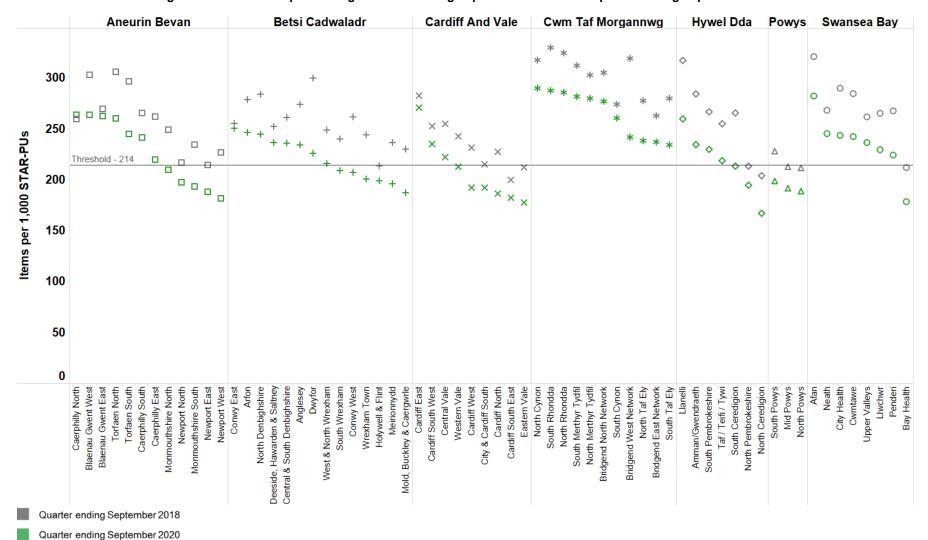


Figure 4. Antimicrobial prescribing - Quarter ending September 2020 versus quarter ending September 2018

Cardiff And Vale Betsi Cadwaladr **Cwm Taf Morgannwg** Hywel Dda Powys Swansea Bay **Aneurin Bevan** 24 22 20 18 0 Items per 1,000 patients \Diamond 16 0 14 0 12 \Diamond 0 0 0 10 0 Threshold - 7.67 0 一日 × 2

North Denbighshire Conwy West

Mold, Buckley & Caergwrle Holywell & Flint

Wrexham Towr Cardiff East

Meirionnydd

South Wrexharr

Central Vale Eastern Vale Cardiff South West

Cardiff North City & Cardiff South North Rhondda

Cardiff South East

North Merthyr Tydfil

South Rhondda

North Taf Ely

Bridgend West Network

Bridgend East Networ

South Pembrokeshire

South Powys Mid Powys Llwchwr Neath

Upper Valleys

Arfon

Deeside, Hawarden & Saltney

Dwyfor

West & North Wrexham

Central & South Denbighshire

Conwy East Anglesey

Figure 5. 4C prescribing – Quarter ending September 2020 versus quarter ending September 2018

Quarter ending September 2018

Monmouthshire North Caerphilly North Blaenau Gwent East

Caerphilly South

Newport North Monmouthshire South Newport East

Quarter ending September 2020

0

Blaenau Gwent West



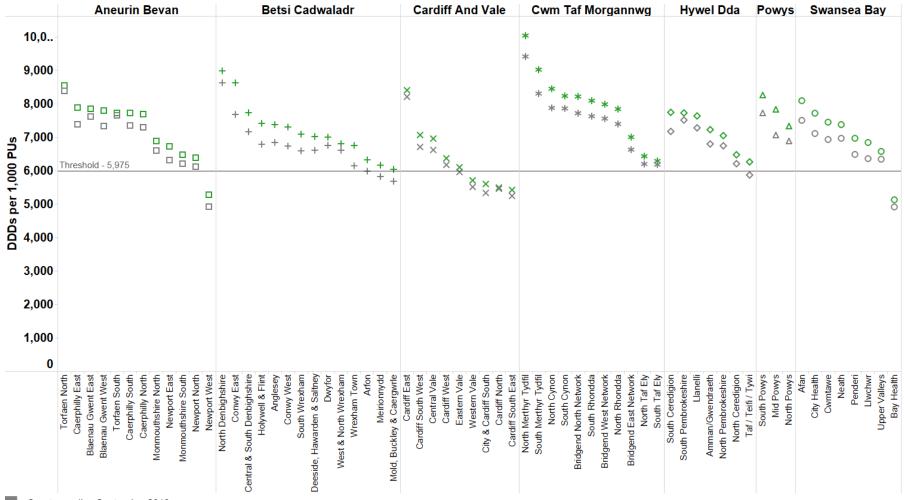
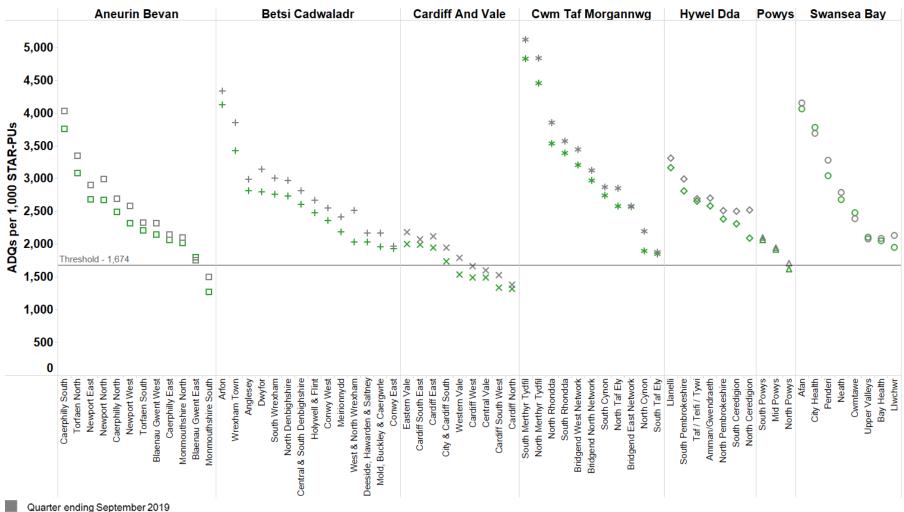
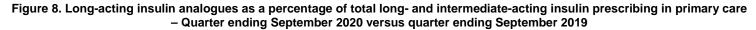
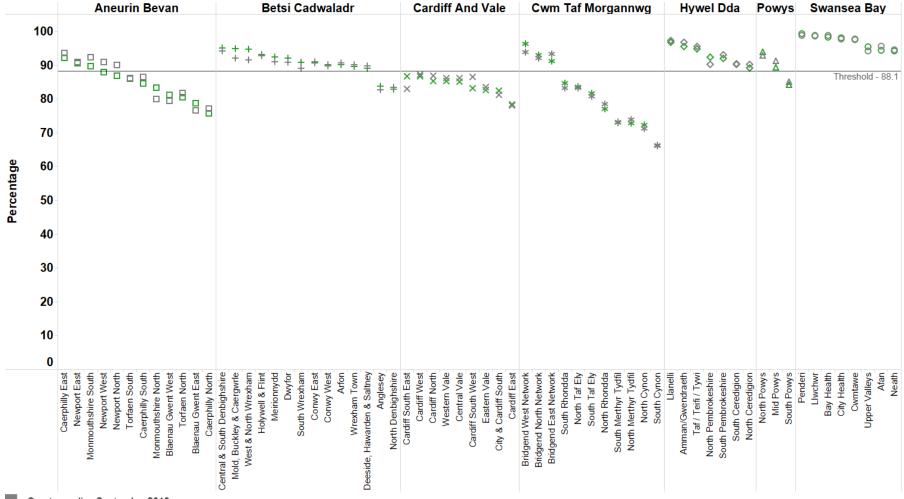


Figure 7. Hypnotic and anxiolytic prescribing - Quarter ending September 2020 versus quarter ending September 2019



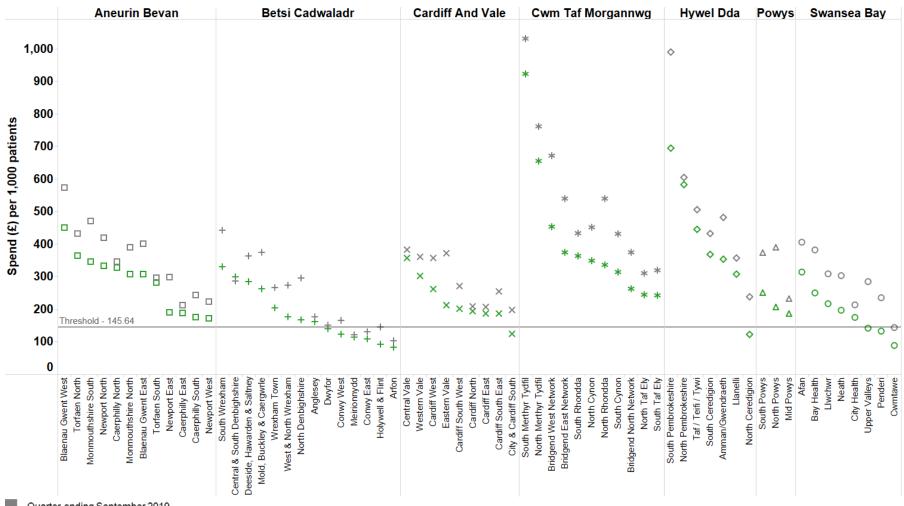
Quarter ending September 2020





Welsh Analytical Prescribing Support Unit

Figure 9. Low value for prescribing UDG spend (£) per 1,000 patients – Quarter ending September 2020 versus quarter ending September 2019



Quarter ending September 2019