GIG CYMRU NHS WALES | Iechyd Cyhoeddus Cymru Public Health Wales

Dadansoddiad o Ragnodi Gwrthficrobaidd yng Ngwasanaethau Deintyddol Gofal Sylfaenol GIG Cymru 2019/20 - 2024/25

Analysis of NHS Dental Antimicrobial Prescribing in Primary Care in Wales 2019/20 - 2024/25

Swyddogaeth Gwybodaeth Iechyd y Geg, Tîm Iechyd Deintyddol y Cyhoedd, Iechyd Cyhoeddus Cymru
Oral Health Intelligence function, Dental Public Health Team, Public Health Wales

Ein cenhadaeth

Ni yw Iechyd Cyhoeddus Cymru. Ni yw sefydliad iechyd cyhoeddus cenedlaethol Cymru. Rydym yn bodoli i helpu pawb yng Nghymru i fyw bywydau hirach, iachach.

Gyda'n partneriaid, ein nod yw cynyddu disgwyliad oes iach, gwella iechyd a llesiant, a lleihau anghydraddoldebau i bawb yng Nghymru, nawr ac ar gyfer cenedlaethau'r dyfodol.

Gyda'i gilydd, mae ein timau'n gweithio i atal clefyd, diogelu iechyd, darparu arweinyddiaeth systemau, gwasanaethau arbenigol ac arbenigedd iechyd cyhoeddus.

Ni yw'r brif ffynhonnell o wybodaeth, ymchwil ac arloesedd iechyd cyhoeddus, i helpu pawb yng Nghymru i fyw bywydau iachach.

Gweithio gyda'n gilydd ar gyfer Cymru iachach.

Our Mission

We are Public Health Wales. We are the national public health organisation for Wales. We exist to help all people in Wales live longer, healthier lives.

With our partners, we aim to increase healthy life expectancy, improve health and wellbeing, and reduce inequalities for everyone in Wales, now and for future generations.

Together, our teams work to prevent disease, protect health, provide system leadership, specialist services and public health expertise.

We are the primary source of public health information, research and innovation, to help everyone in Wales live healthier lives.

Working together for a healthier Wales.

Ein gweledigaeth

Erbyn 2035, byddwn wedi cyflawni dyfodol iachach i Gymru. Rydym yn gweithio tuag at Gymru lle mae pobl yn byw bywydau hirach, iachach a lle mae gan bawb yng Nghymru fynediad teg a chyfartal at y pethau sy'n arwain at iechyd a llesiant da.

Our Vision

By 2035, we will have achieved a healthier future for Wales. We are working towards a Wales where people live longer, healthier lives and where all people in Wales have fair and equal access to the things that lead to good health and well-being.

Cyflwyniad

Fel rhan o weledigaeth 20 mlynedd y DU i fynd i'r afael ag ymwrthedd gwrthficrobaidd (AMR), mae Llywodraeth Cymru wedi ymrwymo i gyfres o Gynlluniau Gweithredu cenedlaethol pum mlynedd.

I gyd-fynd â'r ail o'r Cynlluniau Gweithredu AMR ar gyfer y DU (2024/25 - 2029/30), cyhoeddwyd cylchlythyr iechyd (WHC/2024/038) gan Lywodraeth Cymru. Roedd y cylchlythyr yn diffinio nodau gwella yn seiliedig ar ddata sylfaenol 2019/20. Un amcan allweddol oedd lleihau cyfanswm y defnydd o eitemau gwrthficrobaidd mewn gofal sylfaenol erbyn 2029/30. Roedd hyn yn gyson â gostyngiad o isafswm o 10% yn erbyn lefelau sylfaenol 2019/20.

Mae Iechyd Cyhoeddus Cymru wedi cael y dasg o adrodd ar y cynnydd yn erbyn y nodau gwella hyn. Mae'r adroddiad hwn, a baratowyd gan y tîm Iechyd y Cyhoedd Deintyddol, yn cyflwyno'r sefyllfa bresennol o ran Deintyddiaeth y GIG yng Nghymru.

Hoffem gydnabod a diolch i Bartneriaeth Cydwasanaethau GIG Cymru (Gwasanaethau Gofal Sylfaenol) a Rhaglen Heintiau sy'n Gysylltiedig â Gofal Iechyd, Ymwrthedd Gwrthficrobaidd a Rhagnodi (HARP) Iechyd Cyhoeddus Cymru.

Introduction

As part of the UK’s 20-year vision to tackle antimicrobial resistance (AMR), the Welsh Government have committed to a series of five-year national Action Plans.

To align with the second of these UK AMR Action Plans (2024/25 – 2029/30), the Welsh Government issued the health circular (WHC/2024/038). This defined improvement goals based on the 2019/20 baseline data. One key objective was the reduction in total antimicrobial use within primary care by 2029/30, consistent with a minimum 10% reduction against 2019/20 baseline levels.

Public Health Wales have been tasked with reporting the progress against these improvement goals. This report, prepared by the Dental Public Health team, presents the current position for NHS Dentistry in Wales.

We would like to acknowledge and thank NHS Wales Shared Services Partnership (Primary Care Services) and the PHW / Healthcare Associated Infection, Antimicrobial Resistance & Prescribing programme (HARP).

Cyflwyniad

Darparwyd data am ragnodi gwrthficrobaidd gan yr Uned Gwasanaethau Rhagnodi. Mae'r data'n seiliedig ar y presgripsiynau a gyflwynwyd gan gontractwyr deintyddol y GIG sy'n gweithio ym maes gofal sylfaenol.

Roedd Byrddau Iechyd yn cael eu dyrannu yn seiliedig ar leoliad daearyddol yr eitem a ddosbarthwyd.

Cafwyd data am Gyrsiau o Driniaeth (CoT) ar gyfer Cymru a Byrddau Iechyd o wefan StatsCymru:

https://statswales.gov.wales/Catalogue/Health-and-Social-Care/General-Dental-Services/Current-Contract a chais am ddata gan Awdurdod Gwasanaethau Busnes y GIG

Cyflwynir data naill ai fel eitemau fesul 1,000 CoT neu Ddos Dyddiol Diffiniedig (DDD) fesul 1,000 CoT.

Mae DDD yn fesur ystadegol o ddefnydd cyffuriau. Mae'n cael ei ddiffinio fel y dos cynnal cyfartalog tybiedig y dydd ar gyfer cyffur a ddefnyddir ar gyfer ei brif ddiben mewn oedolion. Gellir cyflawni gostyngiadau mewn Dosau Dyddiol Diffiniedig trwy leihau'r dos o eitemau gwrthficrobaidd a ragnodir neu drwy leihau hyd y driniaeth. I gael rhagor o wybodaeth, ewch i: https://atcddd.fhi.no/ddd/definition_and_general_considera/

Methodology

Antimicrobial prescribing data was provided by the Prescribing Services Unit and is based on the prescriptions submitted by NHS dental contractors working in primary care.

Health Board allocation was based on the geographic location of the dispensed item.

Courses of treatment (CoT) data for Wales and Health Boards was sourced from the StatsWales website:

https://statswales.gov.wales/Catalogue/Health-and-Social-Care/General-Dental-Services/Current-Contract and data requested from the NHS Business Services Authority.

Data is presented as either items per 1,000 CoT or Daily Defined Dose (DDD) per 1,000 CoT.

DDD is a statistical measure of drug consumption and is defined as the assumed average maintenance dose per day for a drug used for its principal indication in adults. Reductions in DDDs can be achieved by reducing the dose of antimicrobials prescribed or by reducing the duration of treatment. For more information: https://atcddd.fhi.no/ddd/definition_and_general_considera/

Canfyddiadau

- Mae dros 50% o'r holl bresgripsiynau a roddir yng Nghymru gan wasanaethau deintyddol gofal sylfaenol y GIG ar gyfer gwrthfiotigau.
- Nid oes yr un Bwrdd Iechyd yng Nghymru ar y trywydd iawn ar hyn o bryd i gyrraedd y targed o ostyngiad erbyn 2029/30.
- Mae gwahaniaethau ar draws y Byrddau Iechyd o ran nifer yr eitemau a'r Dosau Dyddiol Diffiniedig a ragnodir fesul 1,000 o gyrsiau o driniaeth
- Mae lefelau presgripsiynu yn gostwng yn dilyn COVID
- Mae amoxicillin a mathau eraill o benisilin sbectrwm eang yn cyfrif am dros 50% o'r holl bresgripsiynau gwrthficrobaidd
- Metronidazole, Erythromycin, a Clindamycin sydd nesaf ar y rhestr o wrthfiotigau a ragnodir amlaf

* nid yw'r data yn cynnwys presgripsiynau a roddir mewn gofal eilaidd y GIG na phractisiau preifat. Nid yw'r data'n cynnwys meddyginiaethau argroenol. Gall tueddiadau rhagnodi adlewyrchu mynediad anghyfartal at ofal

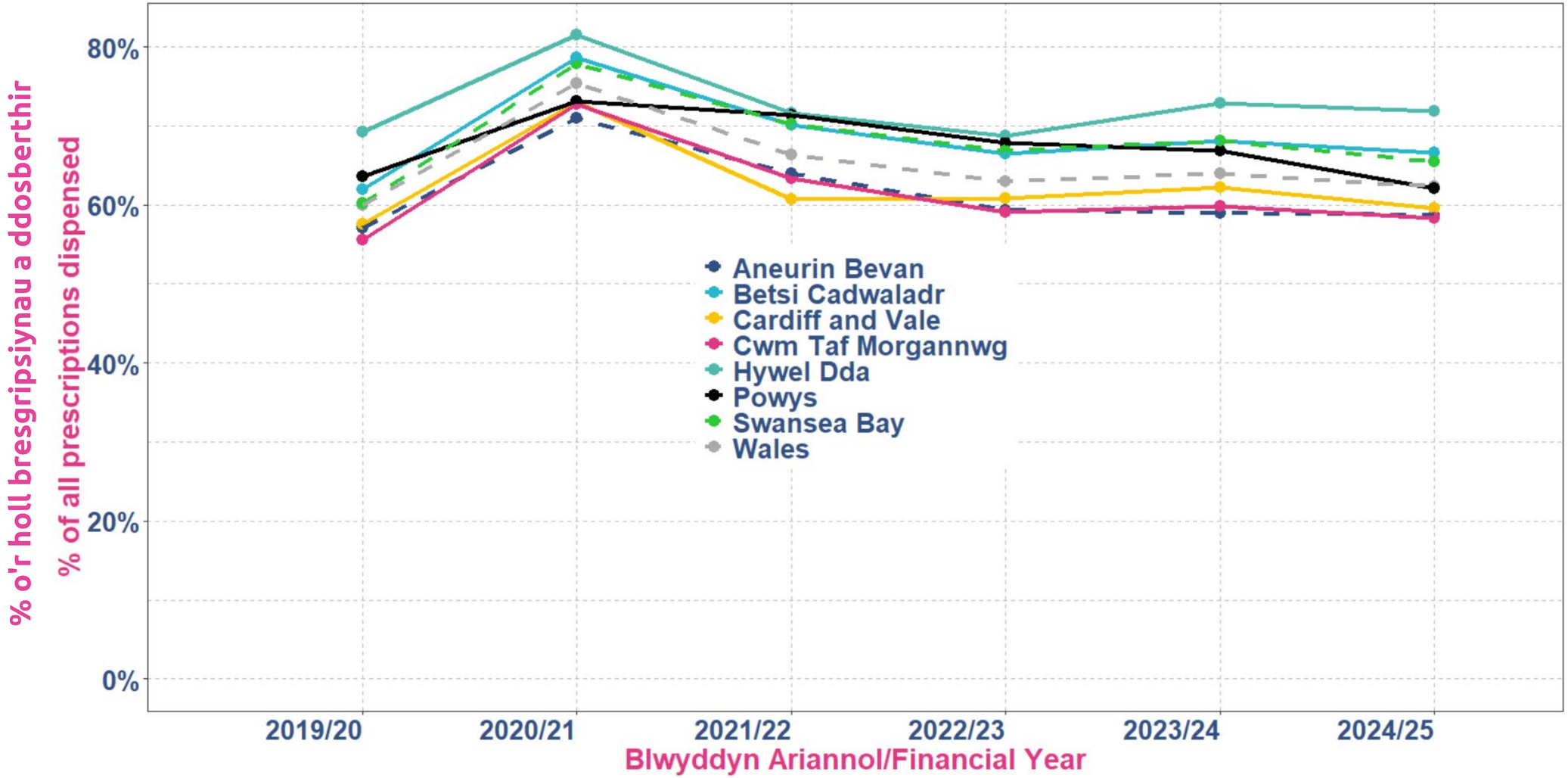
Findings*

- Over 50% of all prescriptions issued in Wales by NHS primary care dental services are for antibiotics
- No Health Board in Wales is currently on track to meet the reduction target by 2029/30
- Differences exist across Health Boards on the number of items and Daily Defined Doses prescribed per 1,000 courses of treatment
- Prescribing levels are falling following COVID
- Amoxicillin and other broad-spectrum penicillins account for over 50% of all antimicrobial prescriptions
- Metronidazole, Erythromycin, and Clindamycin are the next most commonly prescribed antibiotics

* data excludes prescriptions issued in NHS secondary care and private practice. Data does not include topical applications. Prescribing trends may reflect uneven access to care

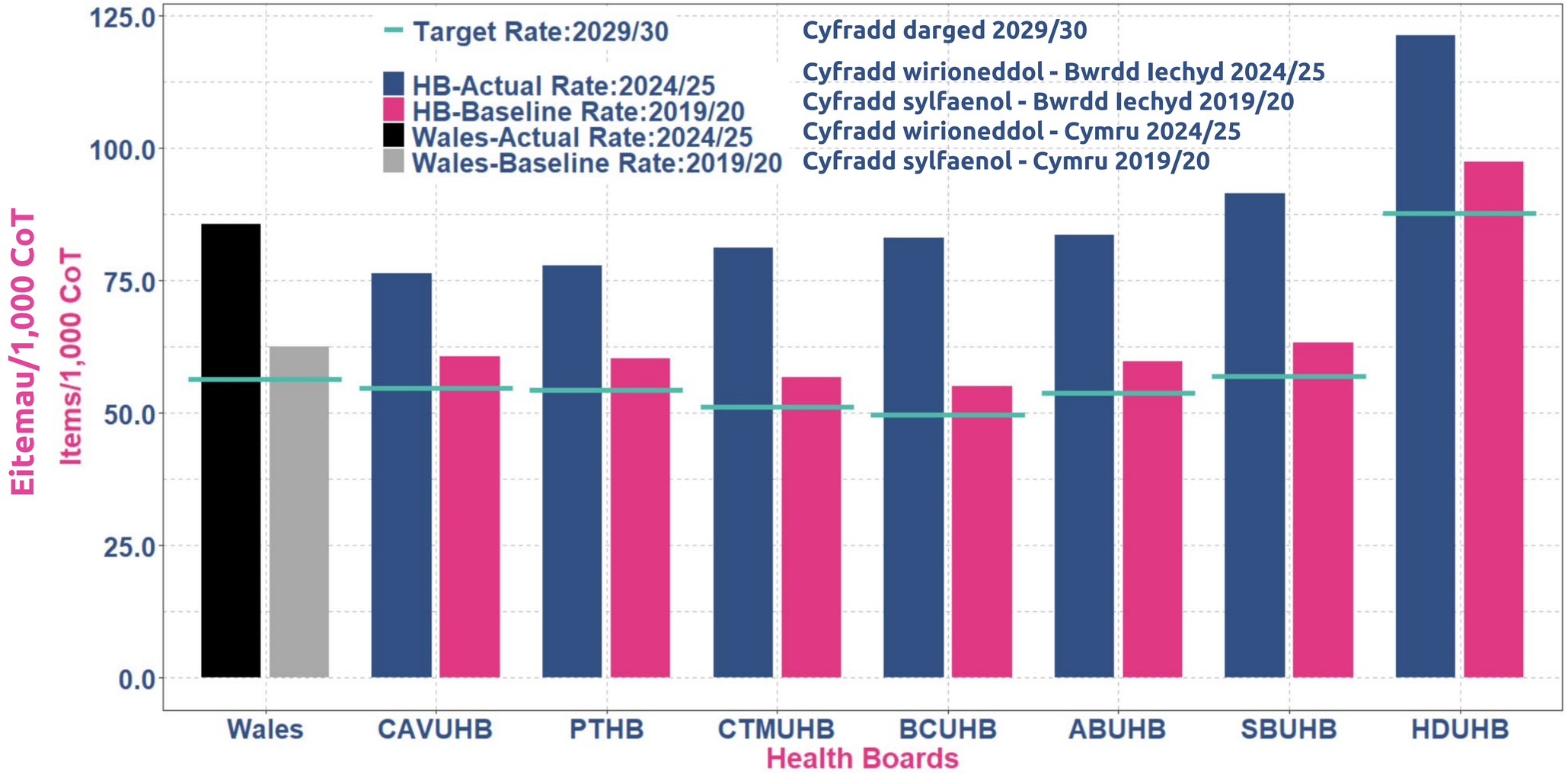
Cyfanswm yr eitemau gwrthficrobaidd fel canran o'r holl bresgripsiynau deintyddol gan Fyrddau Iechyd (2019/20 – 2024/25)

Total antimicrobial items as a percentage of all dental prescriptions by Health Boards (2019/20 – 2024/25)



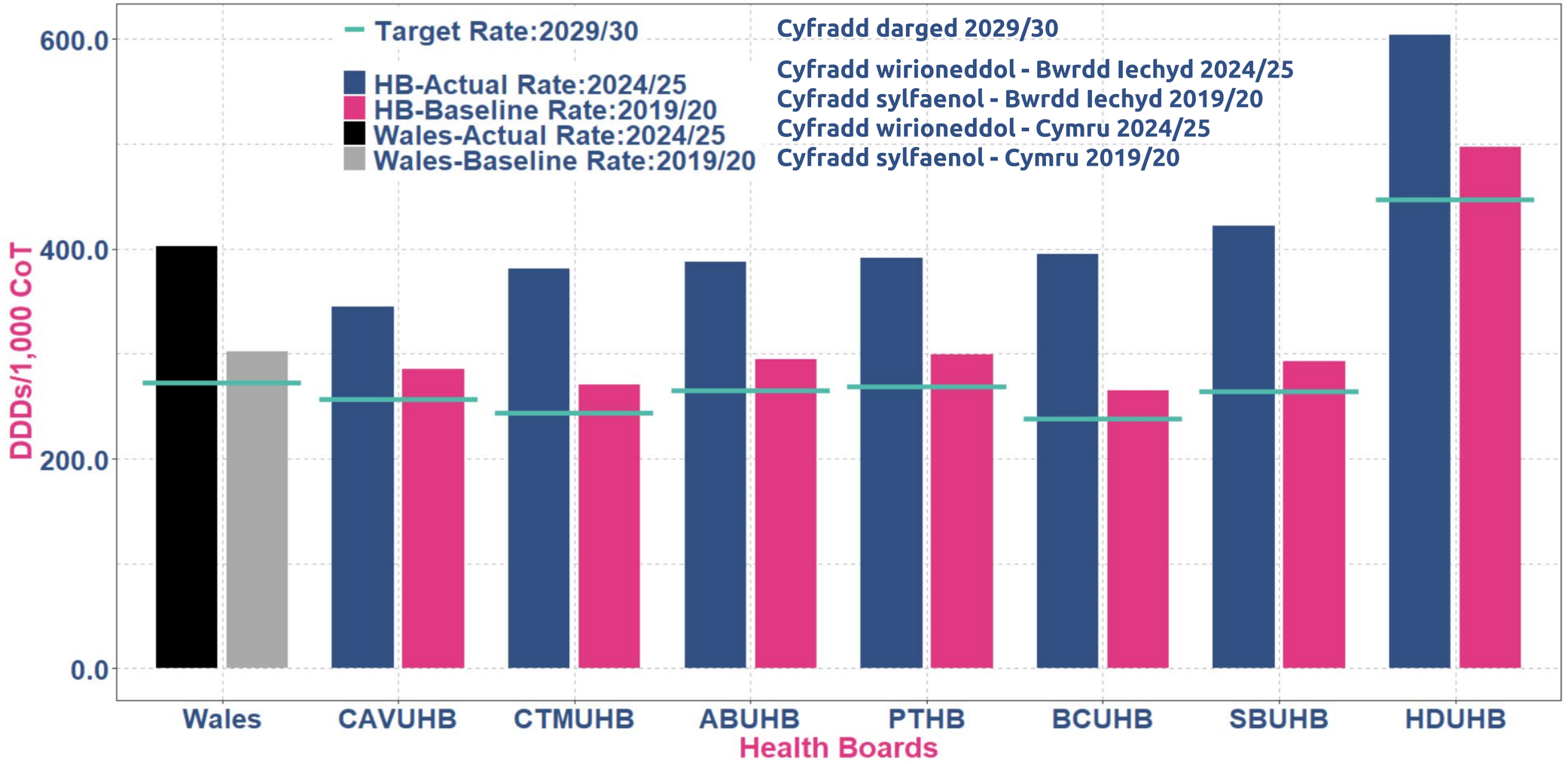
Cyfanswm yr Eitemau Gwrthficrobaidd Deintyddol y GIG yn ôl Bwrdd Iechyd 2024/25 o'i gymharu â'r llinell sylfaen a'r targed

Total NHS Dental Antimicrobial Items by Health Board 2024/25 compared to baseline and target



Cyfanswm DDD Gwrthficrobaidd Deintyddol yn ôl Bwrdd Iechyd yn 2024/25 o gymharu â'r llinell sylfaen a'r targed

Total NHS Dental Antimicrobial DDDs by Health Board in 2024/25 compared to baseline and target



Cyfanswm yr eitemau gwrthficrobaidd: ffigur gwirioneddol yn erbyn y targed ar gyfer Deintyddiaeth y GIG (2020/21 i 2024/25)

Total antimicrobial items: actual versus target for NHS Dentistry (2020/21 to 2024/25)

Blwyddyn Ariannol Financial Year	Ffigur targed eitemau/1,000 CoT Target: items/1,000 CoT	Ffigur Gwirioneddol: eitemau/1,000 CoT Actual: items/1,000 CoT	Gostyngiad Targed (%) Target Reduction (%)	Gwahaniaeth cronnol (%) Cumulative Difference (%)
2019/20 Llinell Sylfaen/Baseline		62.7	0.0	0.0
2020/21	62.0	370.5	-1.0	491.2
2021/22	61.4	166.6	-2.0	165.8
2022/23	60.8	117.8	-3.0	88.0
2023/24	60.2	136.0	-4.0	117.0
2024/25	59.5	85.7	-5.0	36.8
2025/26	58.9	-	-6.0	-
2026/27	58.3	-	-7.0	-
2027/28	57.7	-	-8.0	-
2028/29	57.0	-	-9.0	-
2029/30	56.4	-	-10.0	-

Mae Cymru **36.8% y tu ôl** i'r targed sylfaenol ar gyfer Deintyddiaeth y GIG
Wales is **36.8% behind** the baseline target for NHS Dentistry

Cyfanswm yr eitemau gwrthficrobaidd yn ôl Bwrdd Iechyd: y ffigur gwirioneddol yn erbyn y targed ar gyfer Deintyddiaeth y GIG yn 2024/25

Total antimicrobial items by Health Board: actual versus target for NHS Dentistry in 2024/25

Byrddau Iechyd Health Board	Ffigur targed eitemau/1,000 CoT Target: items/1,000 CoT	Ffigur Gwirioneddol: eitemau/1,000 CoT Actual: items/1,000 CoT	Gwahaniaeth cronnol (%) Cumulative Difference (%)
Wales	59.5	85.7	36.8
Aneurin Bevan	56.9	83.7	39.7
Betsi Cadwaladr	52.4	83.0	50.5
Cardiff and Vale	57.8	76.3	25.6
Cwm Taf Morgannwg	54.0	81.2	43.0
Hywel Dda	92.6	121.3	24.5
Powys	57.3	77.8	28.9
Swansea Bay	60.2	91.5	44.4

Mae pob Bwrdd Iechyd wedi methu â chyrraedd y targed cronnol
All Health Boards have missed the cumulative target

Dos Diffiniedig Dyddiol: y ffigur gwirioneddol yn erbyn y targed ar gyfer Deintyddiaeth y GIG (2020/21 i 2024/25)
Daily Defined Dose: actual versus target for NHS Dentistry (2020/21 to 2024/25)

Blwyddyn Ariannol Financial Year	Ffigur targed eitemau/1,000 CoT Target: items/1,000 CoT	Ffigur Gwirioneddol: eitemau/1,000 CoT Actual: items/1,000 CoT	Gostyngiad Targed (%) Target Reduction (%)	Gwahaniaeth cronnol (%) Cumulative Difference (%)
2019/20 Llinell Sylfaen/Baseline		302.5	0.0	0.0
2020/21	299.5	1792.0	-1.0	492.3
2021/22	296.5	808.2	-2.0	167.1
2022/23	293.5	570.0	-3.0	88.4
2023/24	290.4	648.7	-4.0	114.4
2024/25	287.4	402.2	-5.0	32.9
2025/26	284.4	-	-6.0	-
2026/27	281.4	-	-7.0	-
2027/28	278.3	-	-8.0	-
2028/29	275.3	-	-9.0	-
2029/30	272.3	-	-10.0	-

Mae Cymru **32.9% y tu ôl** i'r targed sylfaenol ar gyfer Deintyddiaeth y GIG
Wales is **32.9% behind** the baseline target for NHS Dentistry

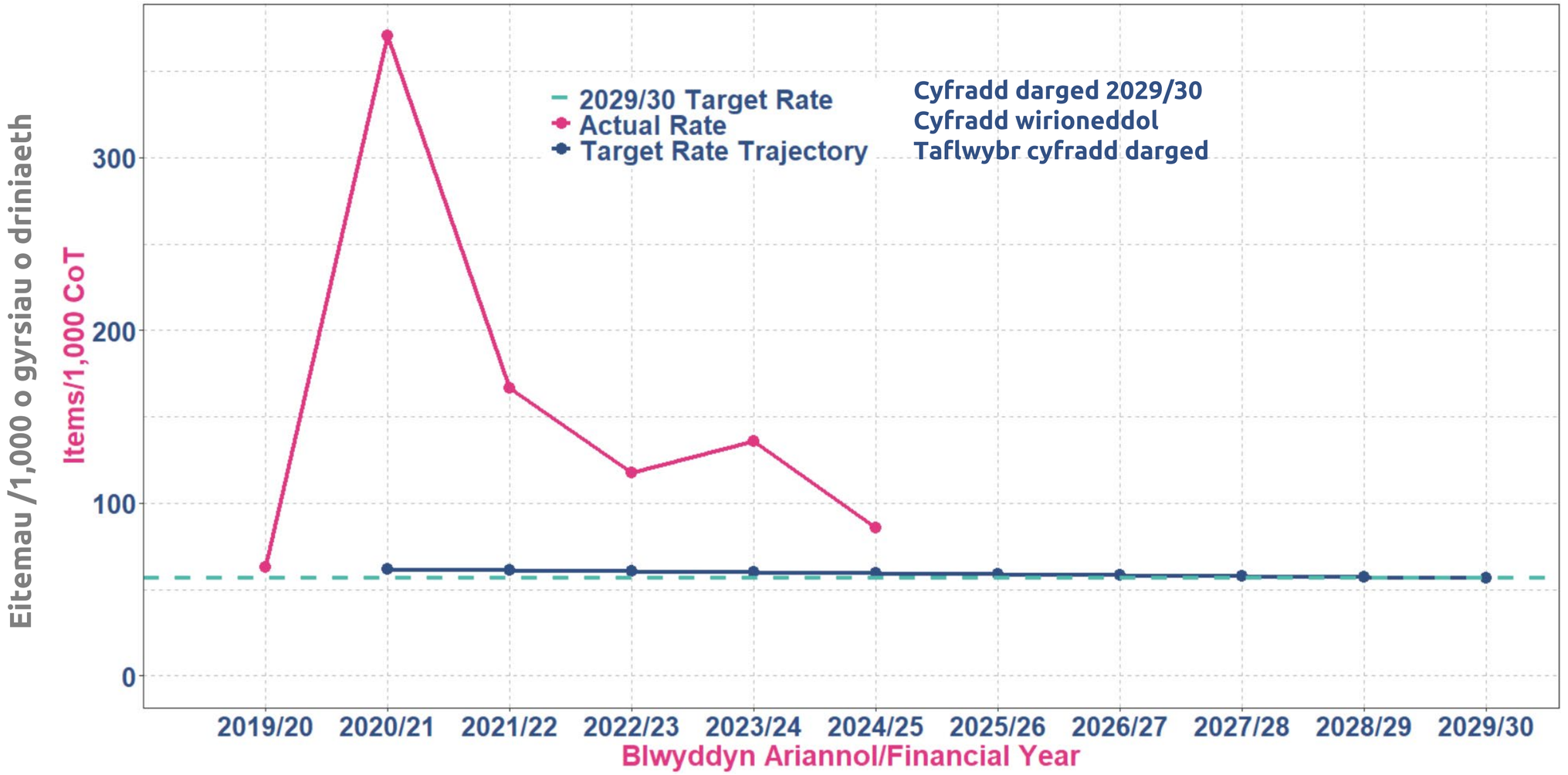
Dos Diffiniedig Dyddiol: y ffigur gwirioneddol yn erbyn y targed ar gyfer Deintyddiaeth y GIG (2020/21 i 2024/25)
Daily Defined Dose by Health Board: actual versus target for NHS Dentistry in 2024/25

Byrddau Iechyd Health Board	Ffigur targed eitemau/1,000 CoT Target: items/1,000 CoT	Ffigur Gwirioneddol: eitemau/1,000 CoT Actual: items/1,000 CoT	Gwahaniaeth cronnol (%) Cumulative Difference (%)
Wales	287.4	402.2	32.9
Aneurin Bevan	280.0	387.9	31.6
Betsi Cadwaladr	251.4	395.0	49.2
Cardiff and Vale	271.2	345.2	21.0
Cwm Taf Morgannwg	257.3	380.7	40.6
Hywel Dda	472.1	603.7	21.5
Powys	284.0	391.1	30.8
Swansea Bay	278.3	422.4	44.2

Mae pob Bwrdd Iechyd wedi methu â chyrraedd y targed cronnol
All Health Boards have missed the cumulative target

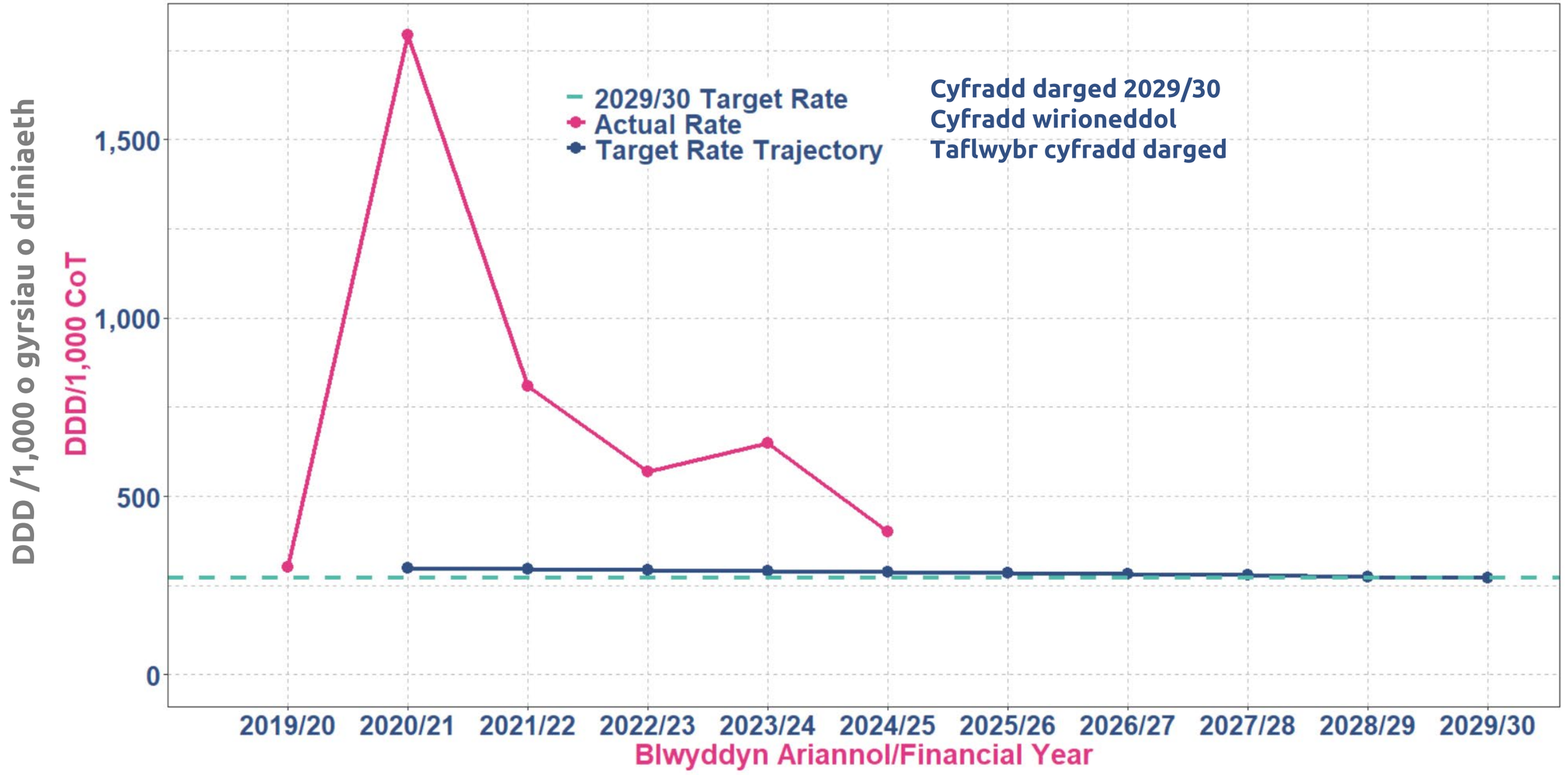
Eitemau gwrthficrobaidd fesul 1,000 o Gyrsiau o Driniaeth ar gyfer Deintyddiaeth y GIG: y ffigur gwirioneddol â'r taflwybr targed (2019/20 - 2024/25)

Antimicrobial items per 1,000 Course of Treatment for NHS Dentistry: actual & target trajectory (2019/20 - 2024/25)



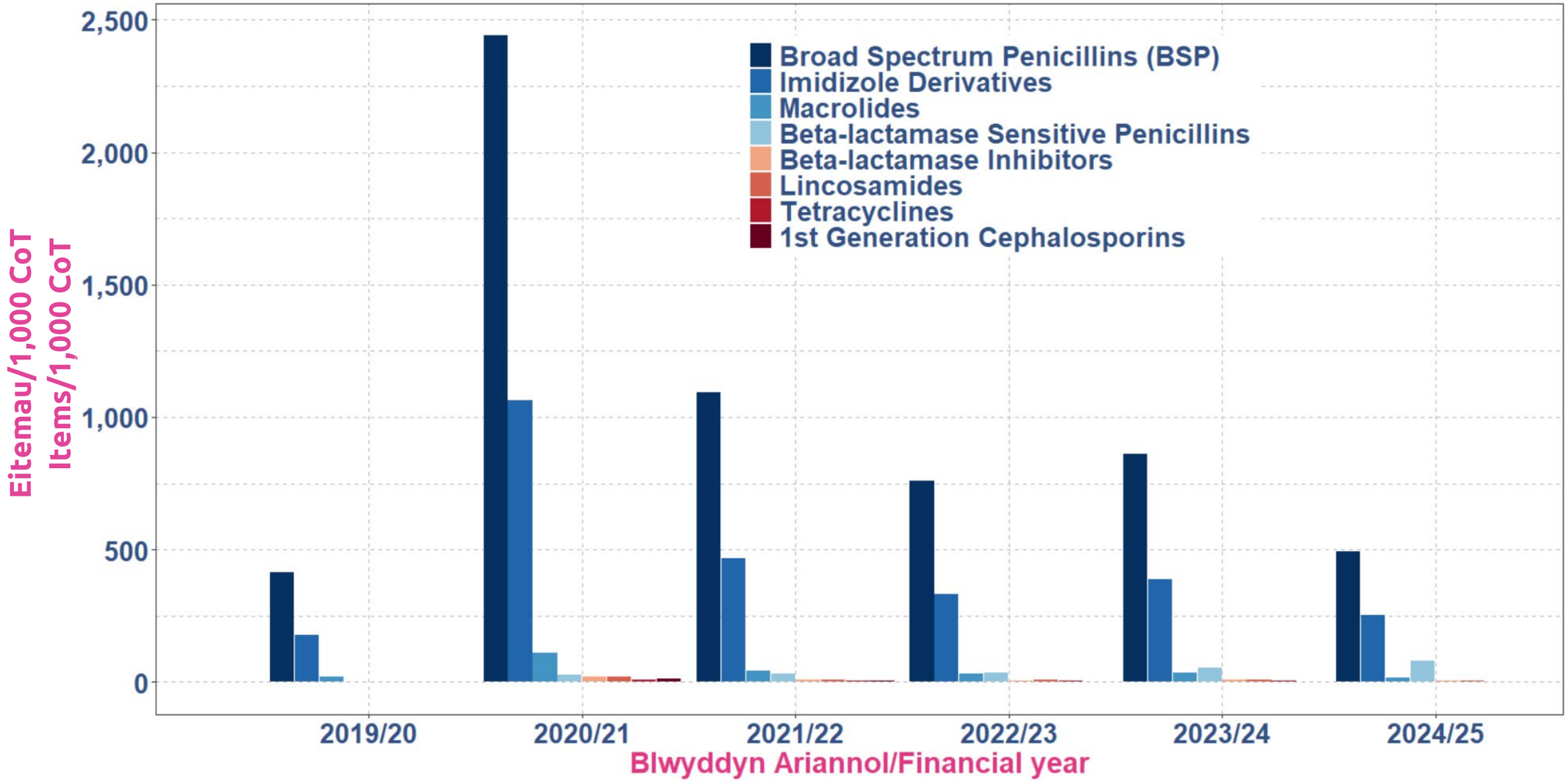
Dos Dyddiol Diffiniedig fesul 1,000 o Gyrsiau o Driniaeth ar gyfer Deintyddiaeth y GIG: y ffigur gwirioneddol a'r taflwybr targed (2019/20 - 2024/25)

Daily Defined Dose per 1,000 Course of Treatment for NHS Dentistry: actual & target trajectory (2019/20 - 2024/25)



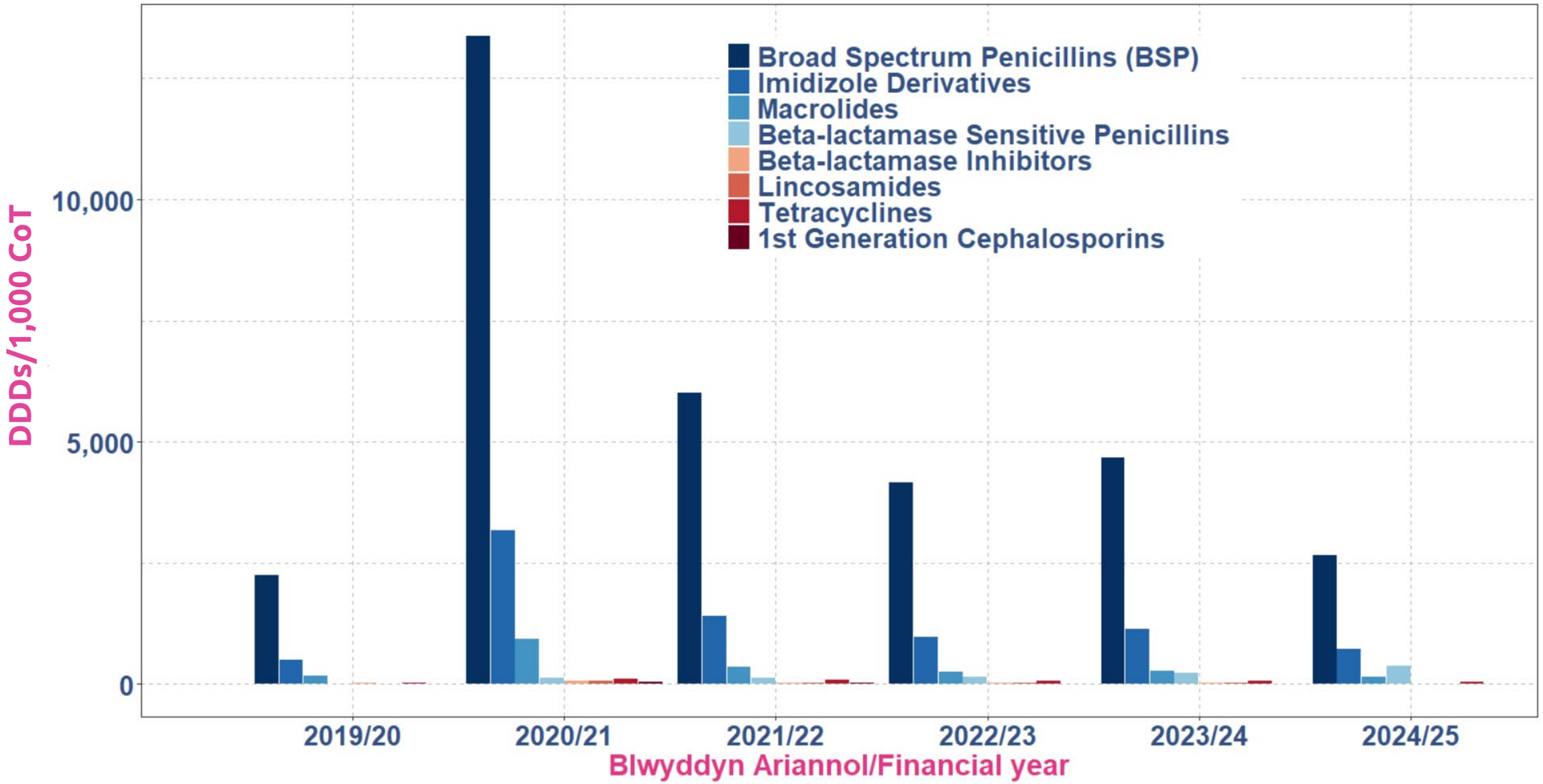
Eitemau gwrthficrobaidd a ddosbarthwyd fesul 1,000 o Gyrsiau o Driniaeth yn ôl blwyddyn a grŵp cyffuriau gwrthficrobaidd

Antimicrobial items dispensed per 1,000 Courses of Treatment by year and antimicrobial drug group



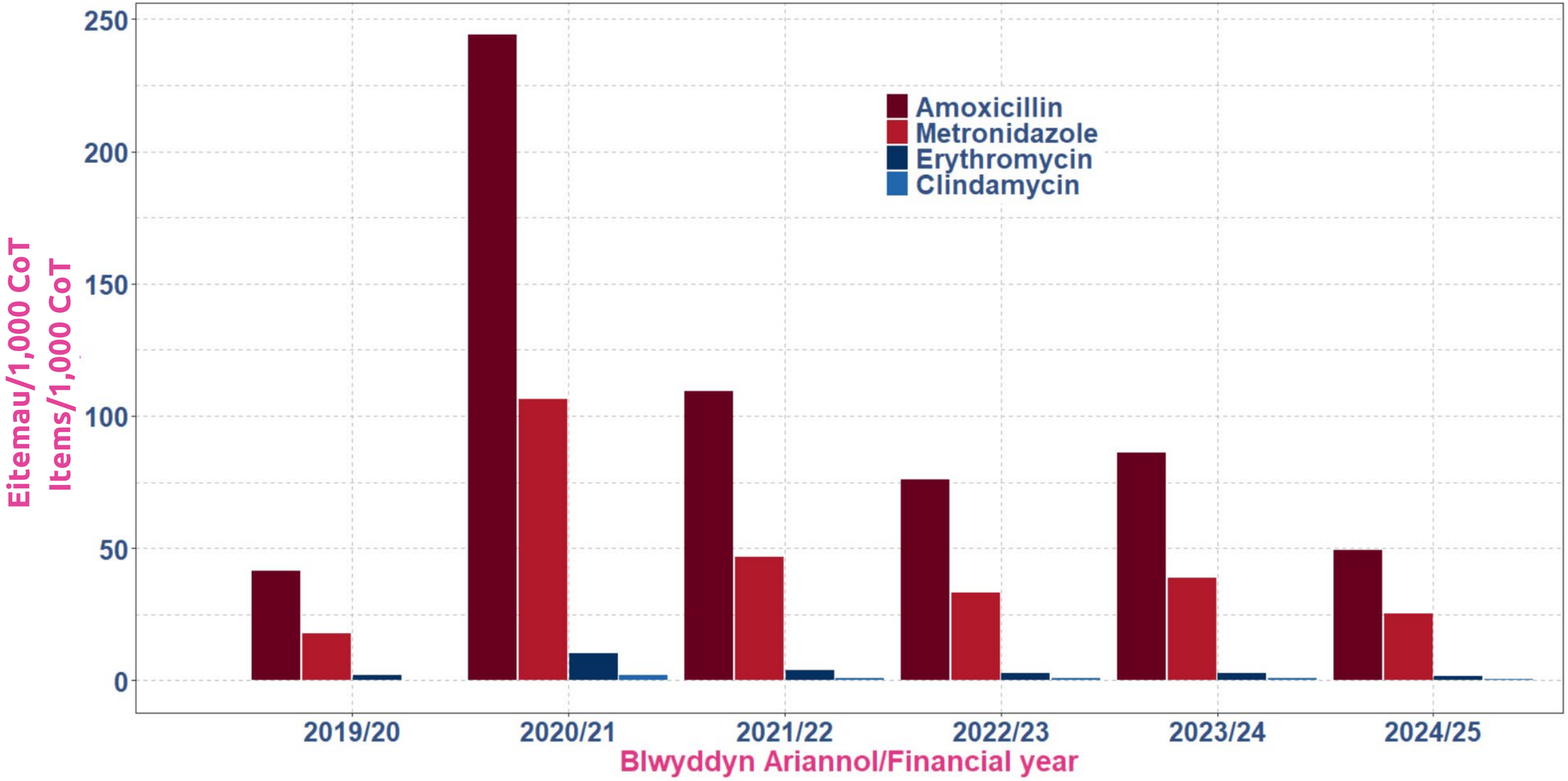
Dosau dyddiol diffiniedig o eitemau gwrthficrobaidd a ddosbarthwyd fesul 1,000 o Gyrsiau o Driniaeth yn ôl blwyddyn a grŵp cyffuriau gwrthficrobaidd

Antimicrobial DDDs dispensed per 1,000 Courses of Treatment by year and antimicrobial drug group



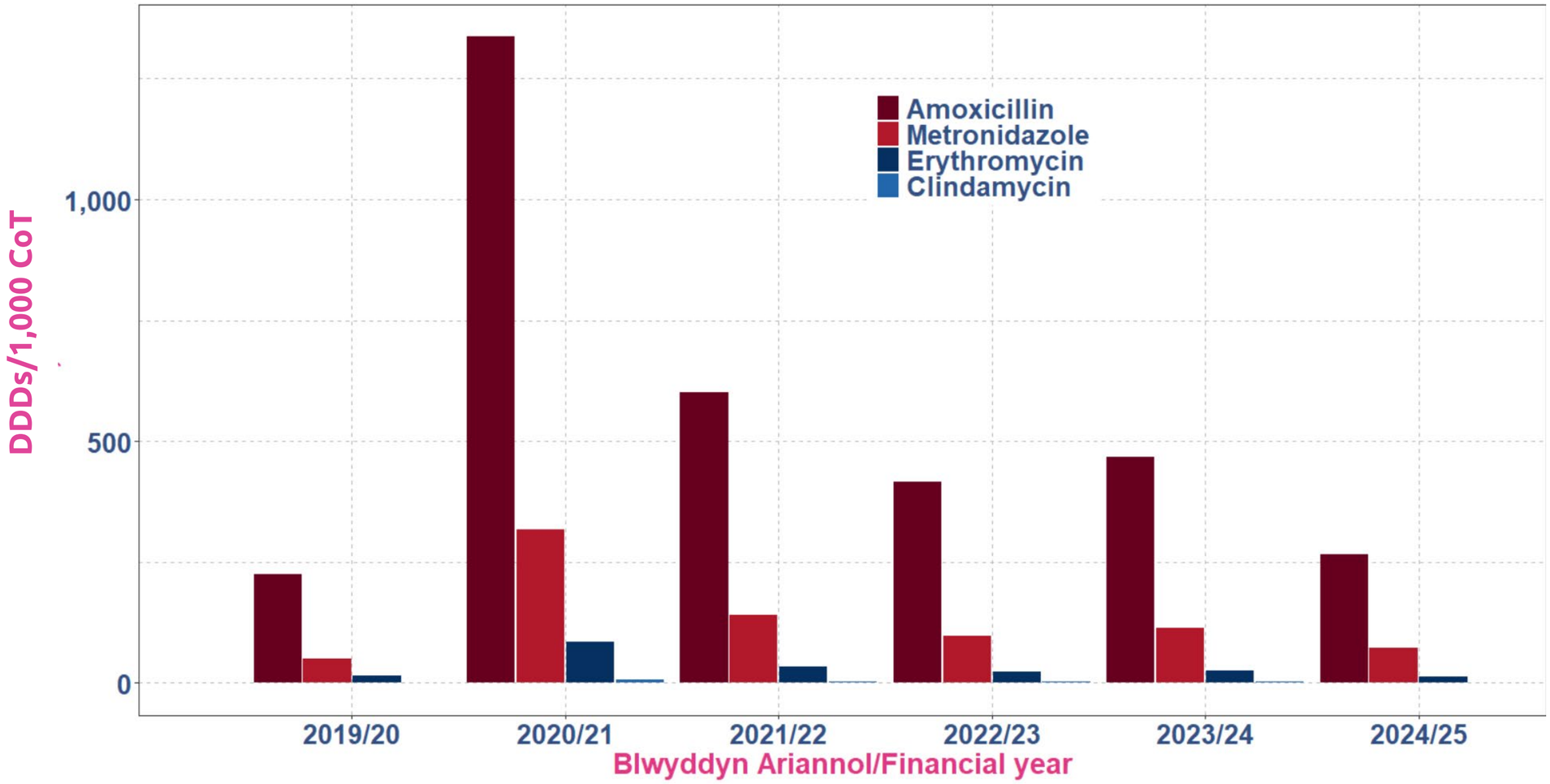
Yr eitemau gwrthfiotig mwyaf cyffredin a ddosbarthwyd fesul 1,000 o Gyrsiau o Driniaeth yn ôl blwyddyn ariannol

Most common antibiotics items dispensed per 1,000 Courses of Treatment by financial year



Y Dosau Dyddiol Diffiniedig o'r gwrthfiotigau mwyaf cyffredin sy'n cael eu dosbarthu fesul 1,000 o Gyrsiau o Driniaeth yn ôl blwyddyn ariannol

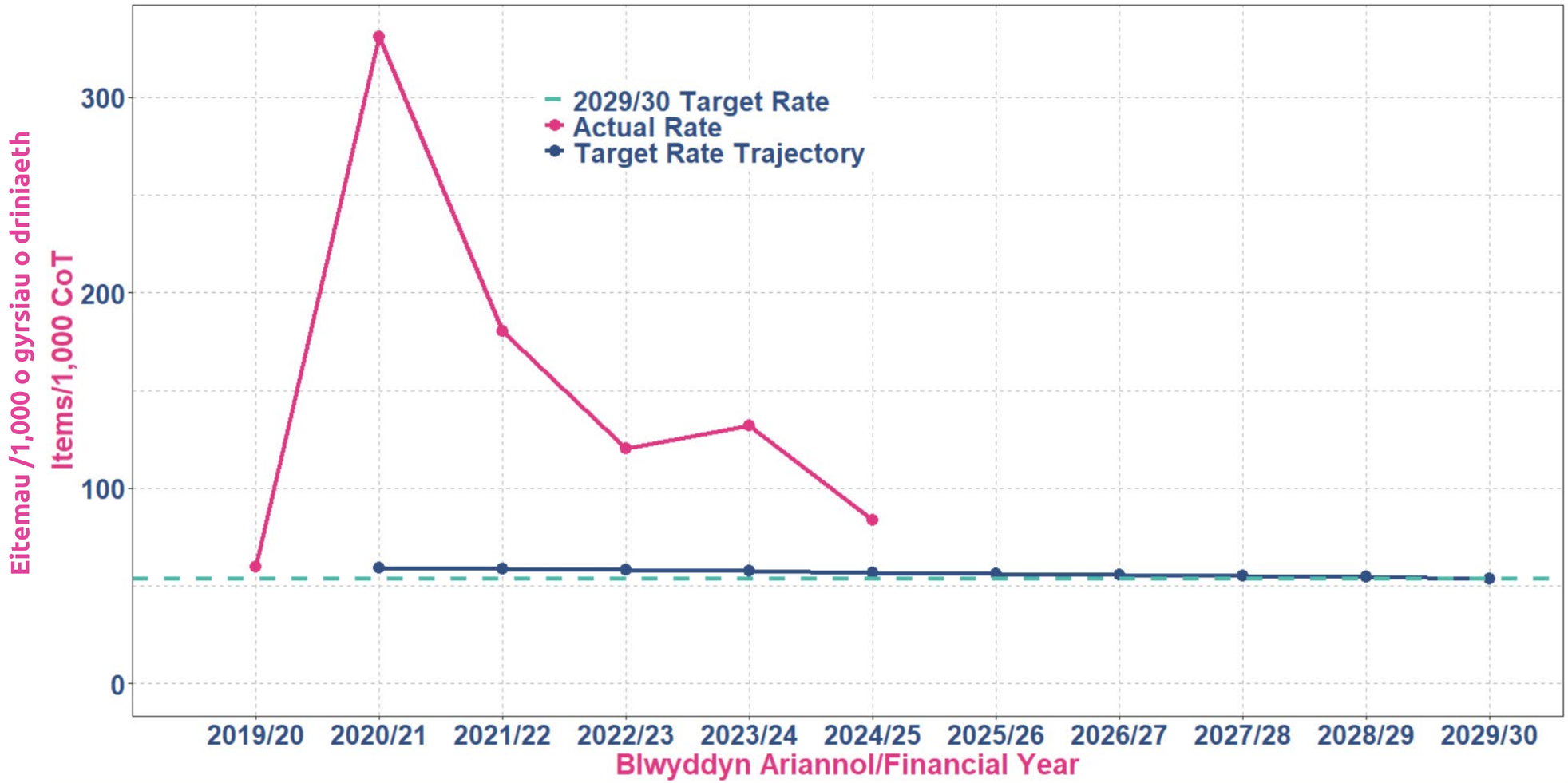
Most common antibiotic Daily Defined Doses dispensed per 1,000 Courses of Treatment by financial year



Health Boards' Antimicrobial Usage Trajectory (Items & DDDs): 2019/20 – 2029/30

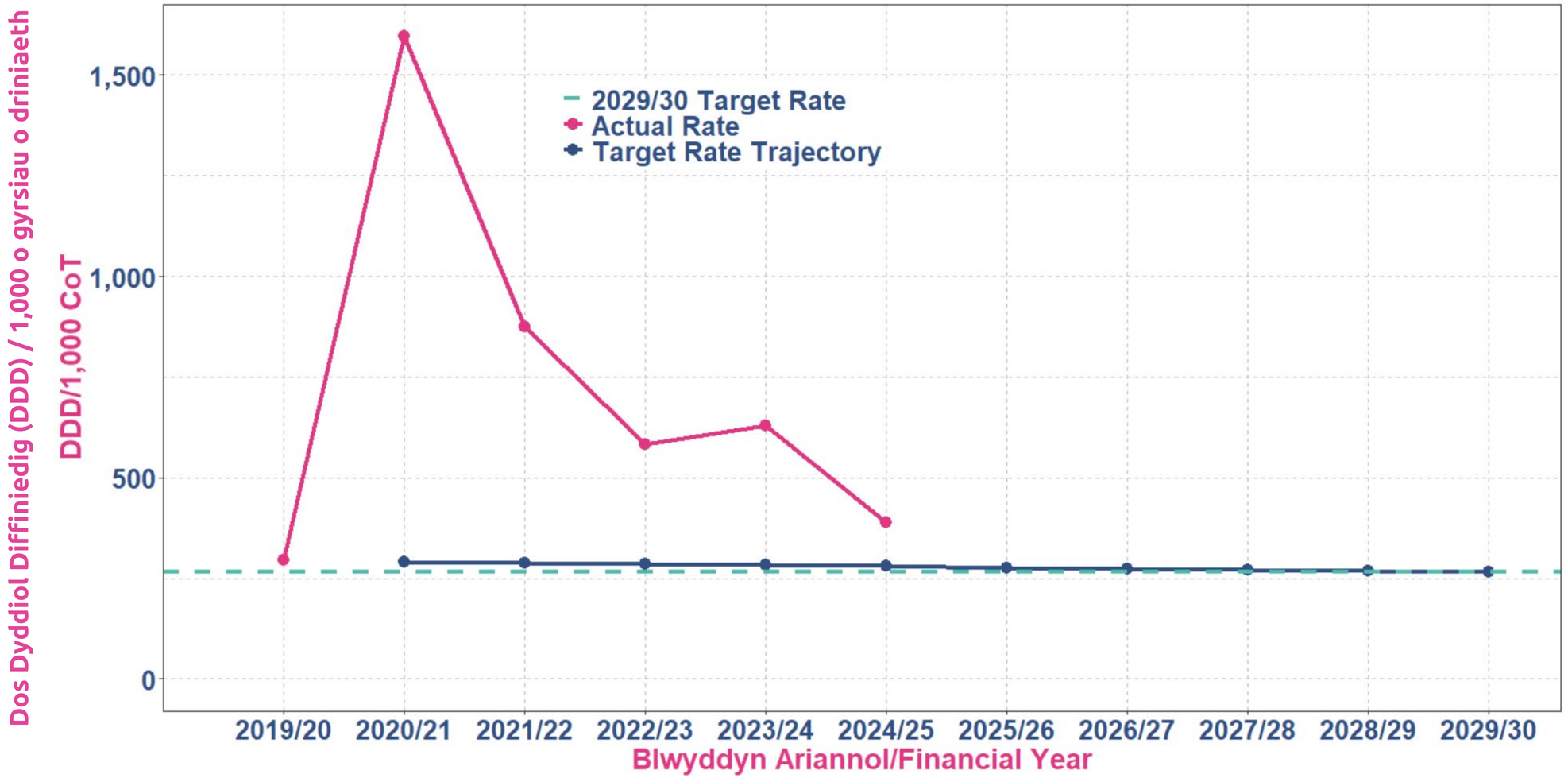
Bwrdd Iechyd Prifysgol Aneurin Bevan - taflwybr a defnydd gwrthficrobaidd (eitemau): 2019/20-2024/25

Aneurin Bevan University Health Board - antimicrobial trajectory and usage (items): 2019/20-2024/25



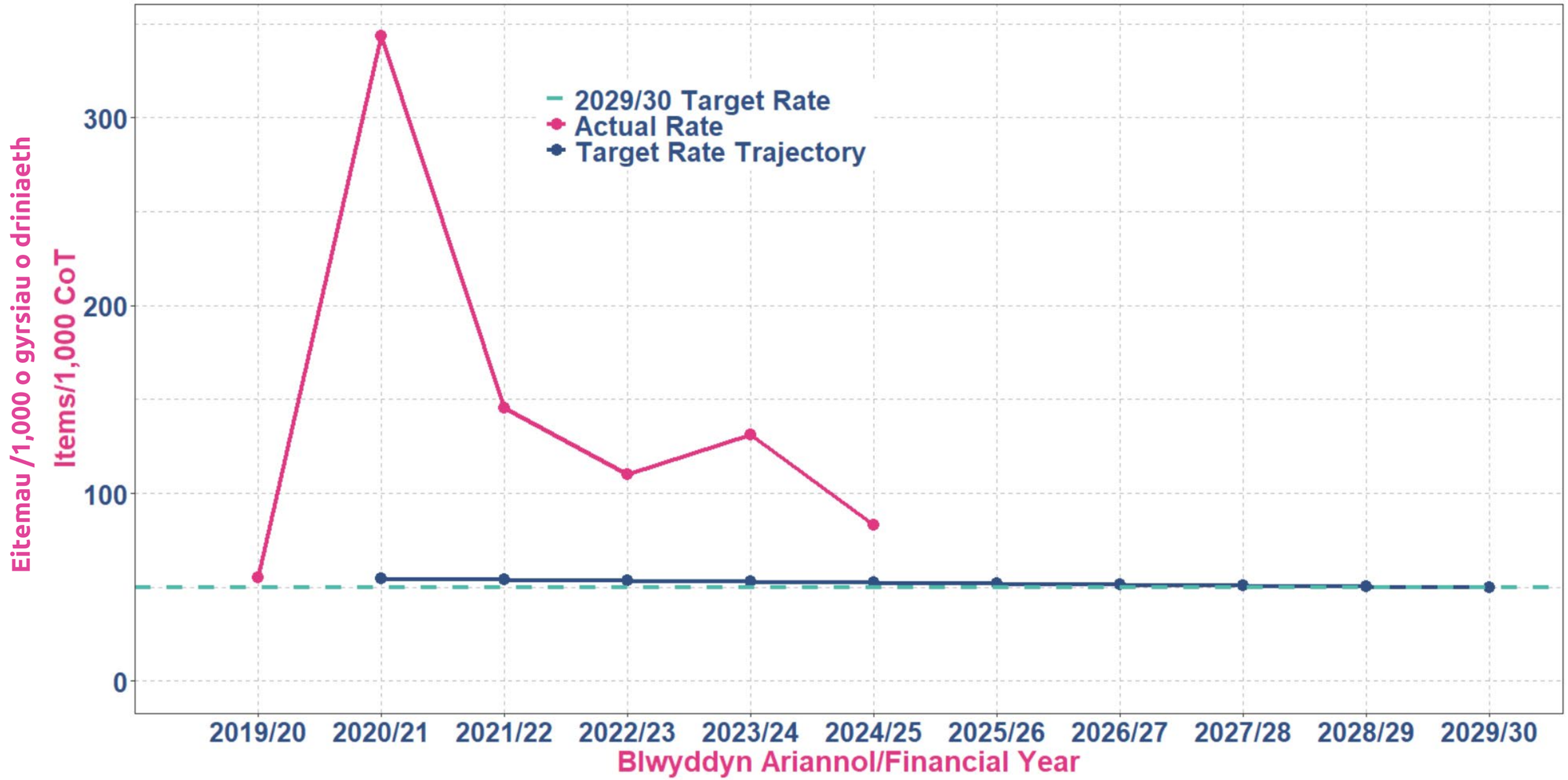
Bwrdd Iechyd Prifysgol Aneurin Bevan - taflwybr a defnydd gwrthficrobaidd (DDD): 2019/20-2024/25

Aneurin Bevan University Health Board - antimicrobial trajectory and usage (DDD): 2019/20-2024/25



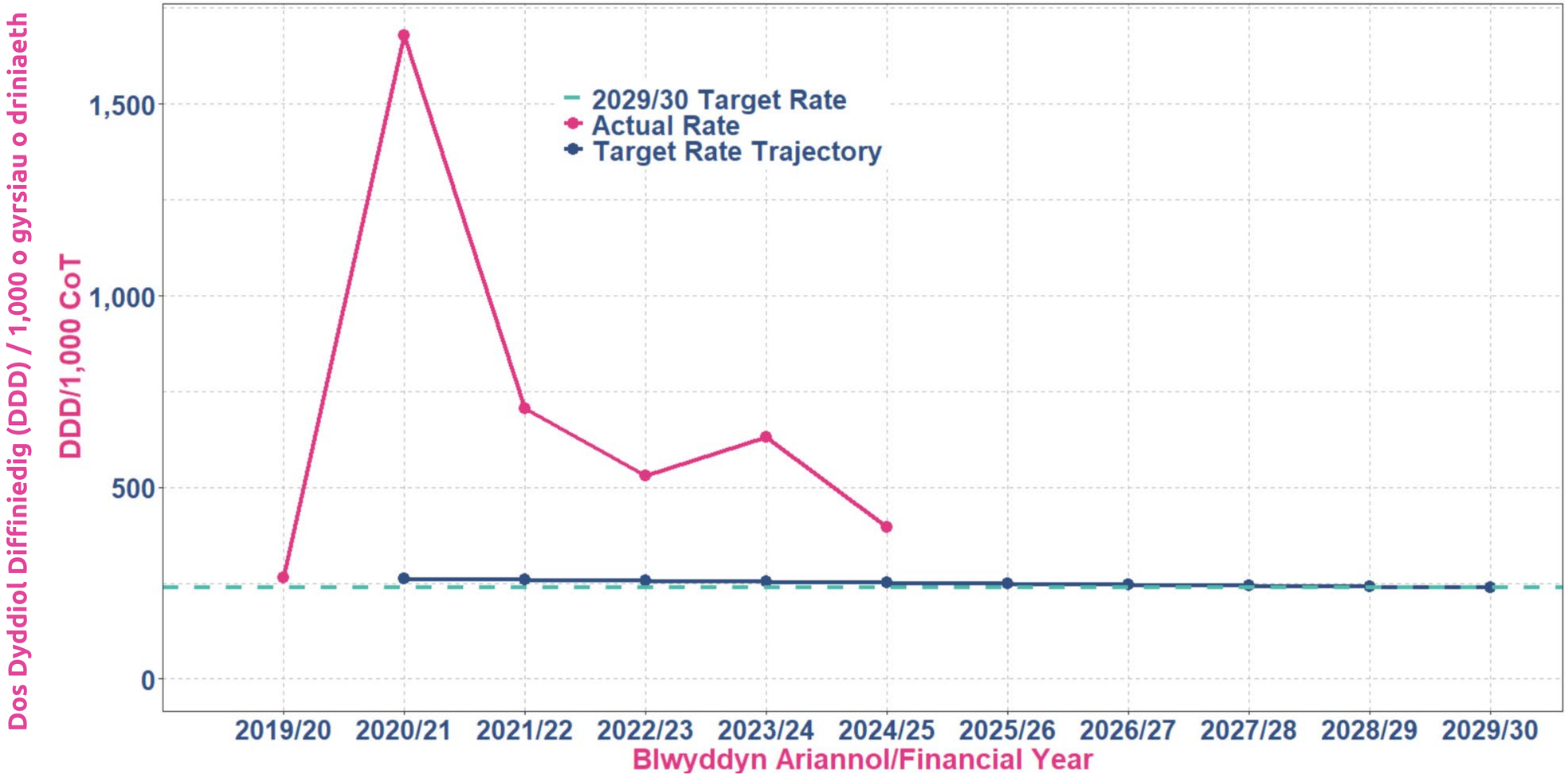
Bwrdd Iechyd Prifysgol Betsi Cadwaladr - taflwybr a defnydd gwrthficrobaidd (eitemau): 2019/20-2024/25

Betsi Cadwaladr University Health Board - antimicrobial trajectory and usage (items): 2019/20-2024/25



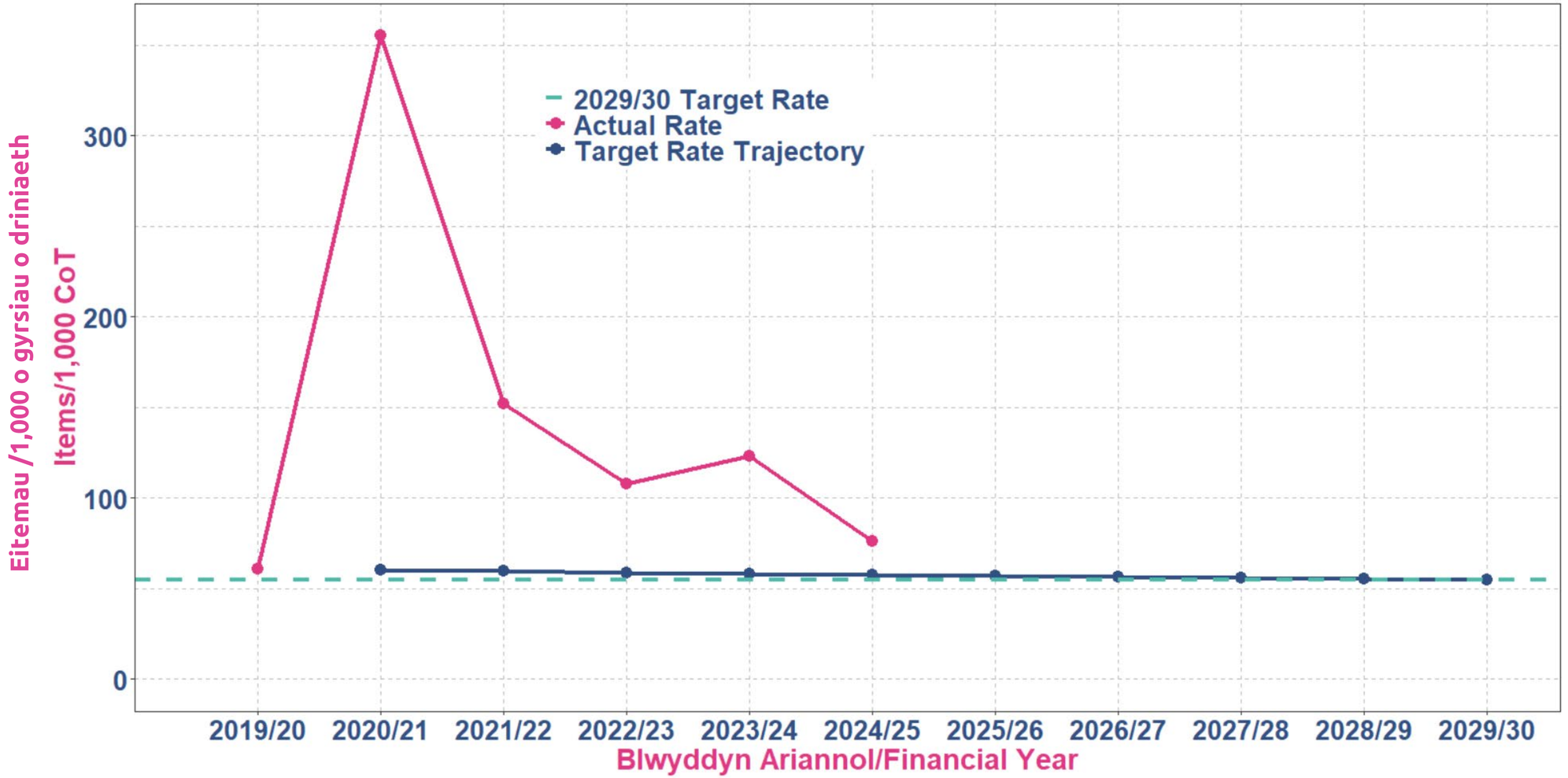
Bwrdd Iechyd Prifysgol Betsi Cadwaladr - taflwybr a defnydd gwrthficrobaidd (DDD): 2019/20 - 2024/25

Betsi Cadwaladr University Health Board - antimicrobial trajectory and usage (DDD): 2019/20 - 2024/25



Bwrdd Iechyd Prifysgol Caerdydd a'r Fro - taflwybr a defnydd gwrthficrobaidd (eitemau): 2019/20 - 2024/25

Cardiff & Vale University Health Board - antimicrobial trajectory and usage (items): 2019/20 - 2024/25



Bwrdd Iechyd Prifysgol Caerdydd a'r Fro - taflwybr a defnydd gwrthficrobaidd (DDD): 2019/20 - 2024/25

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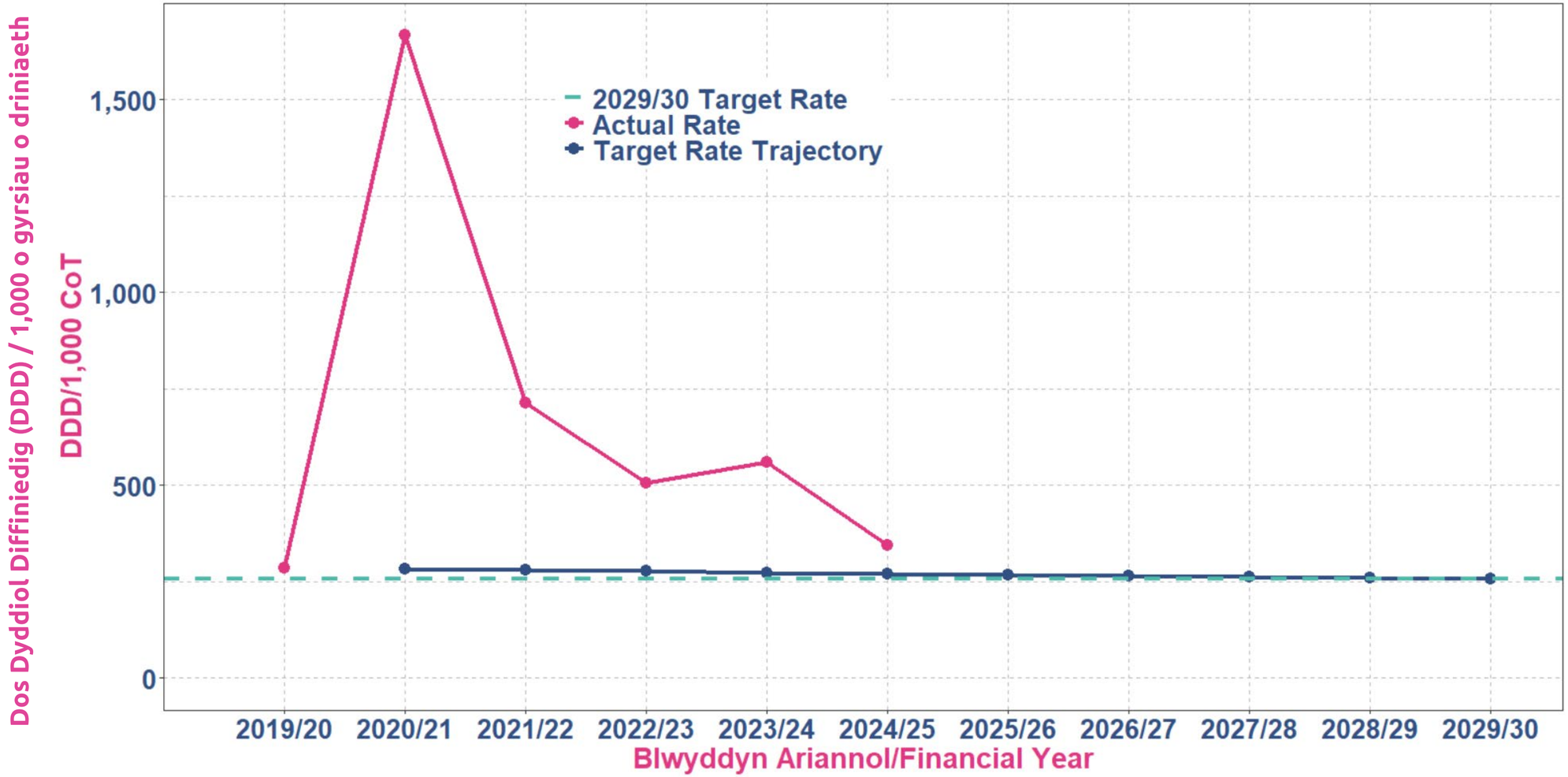
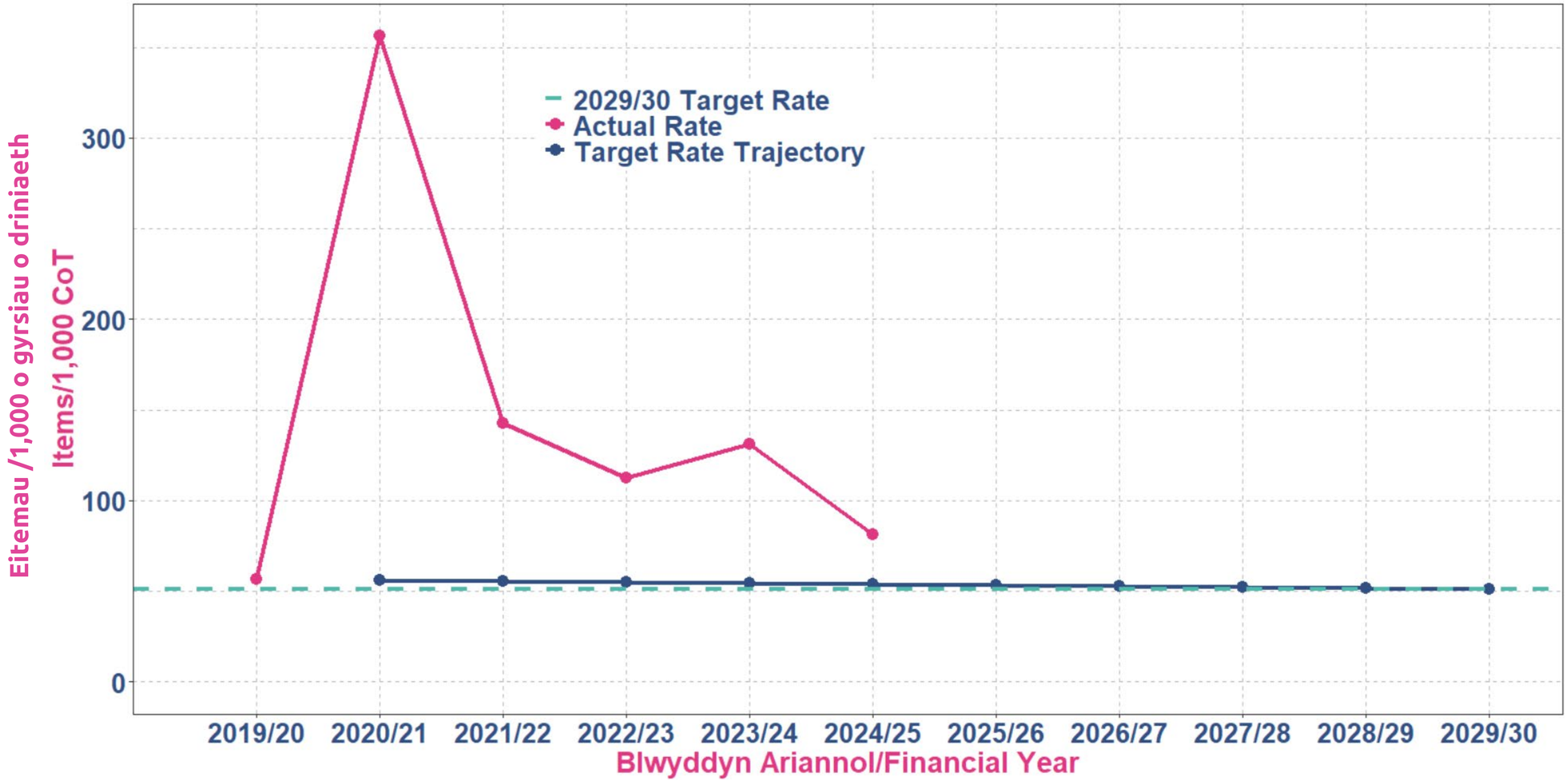


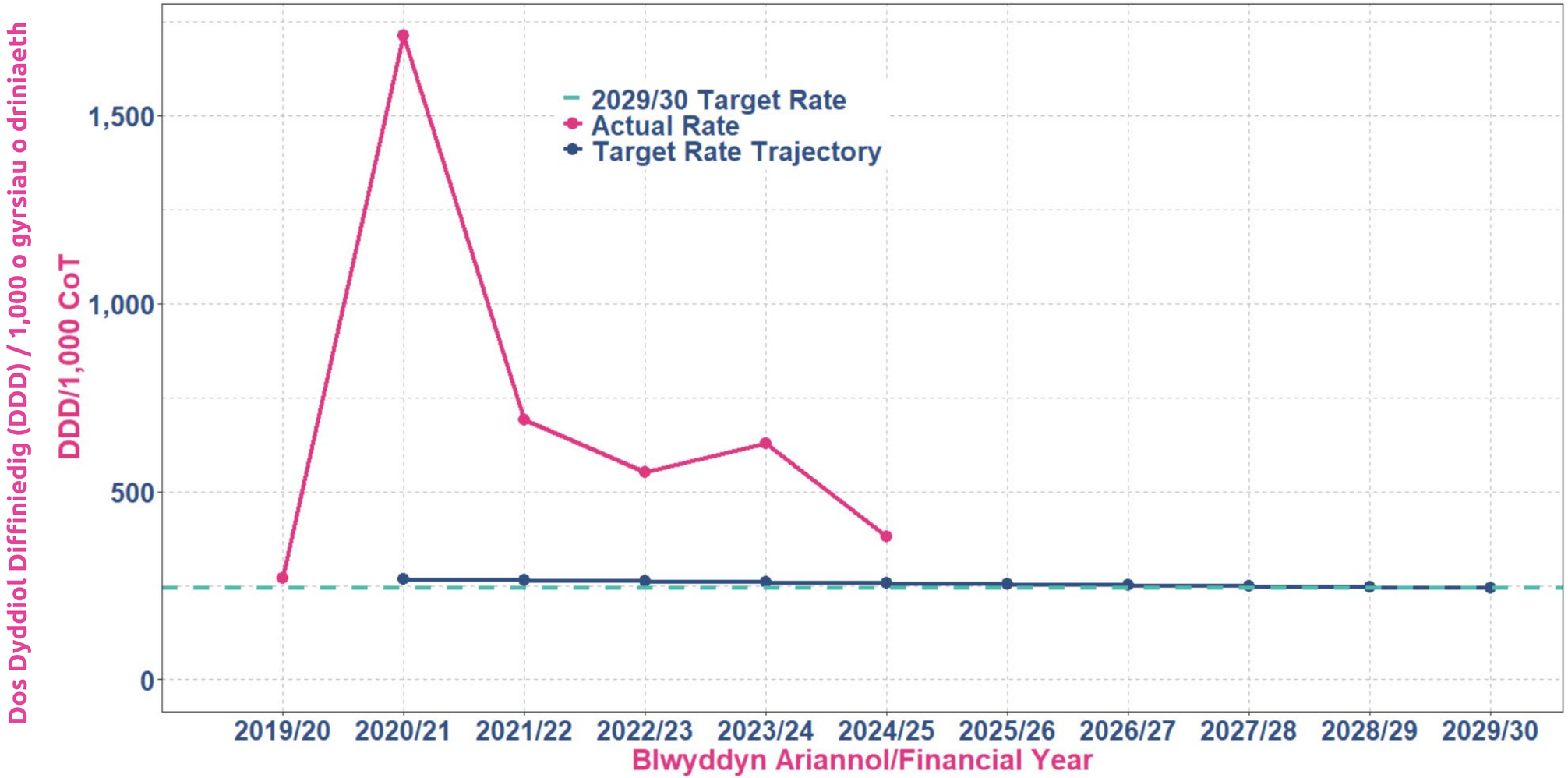
Bwrdd Iechyd Prifysgol Cwm Taf Morgannwg - taflwybr a defnydd gwrthficrobaidd (eitemau): 2019/20 - 2024/25

Cwm Taf Morgannwg University Health Board - antimicrobial trajectory and usage (items): 2019/20 - 2024/25



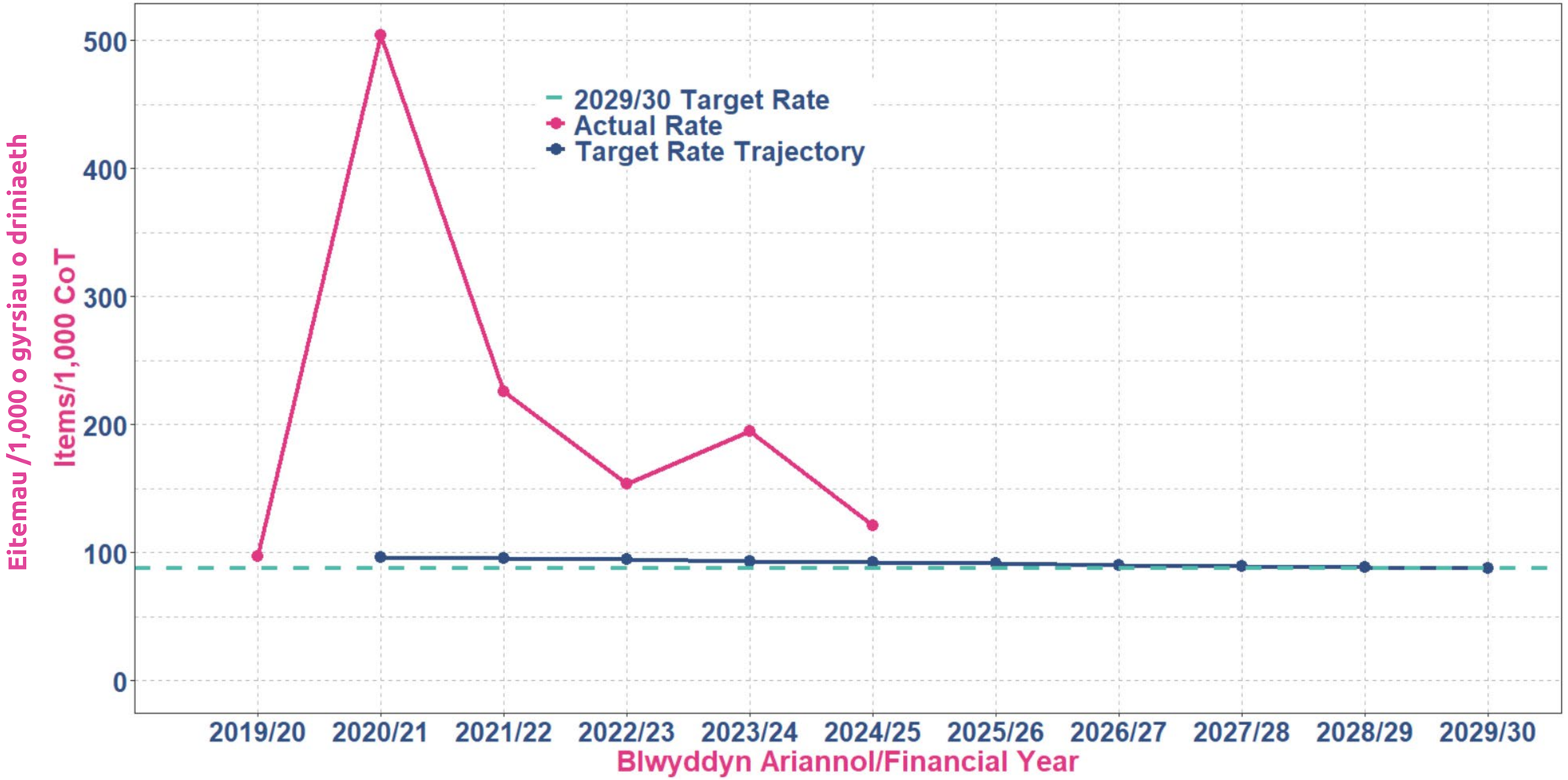
Bwrdd Iechyd Prifysgol Cwm Taf Morgannwg - taflwybr a defnydd gwrthficrobaidd (DDD): 2019/20 - 2024/25

Cwm Taf Morgannwg University Health Board - antimicrobial trajectory and usage (DDD): 2019/20 - 2024/25



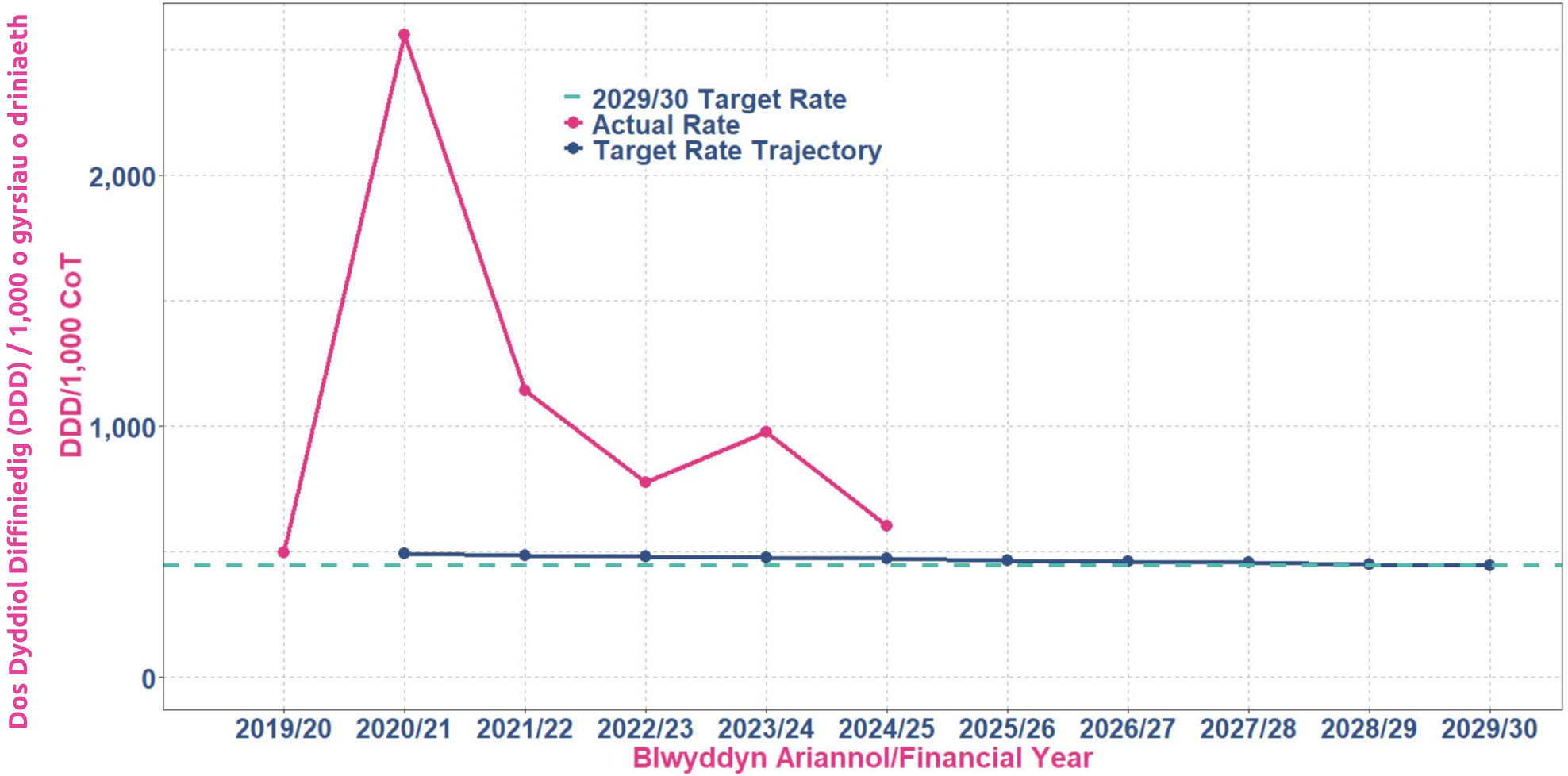
Bwrdd Iechyd Prifysgol Hywel Dda - taflwybr a defnydd gwrthficrobaidd (eitemau): 2019/20 - 2024/25

Hywel Dda University Health Board - antimicrobial trajectory and usage (items): 2019/20 - 2024/25



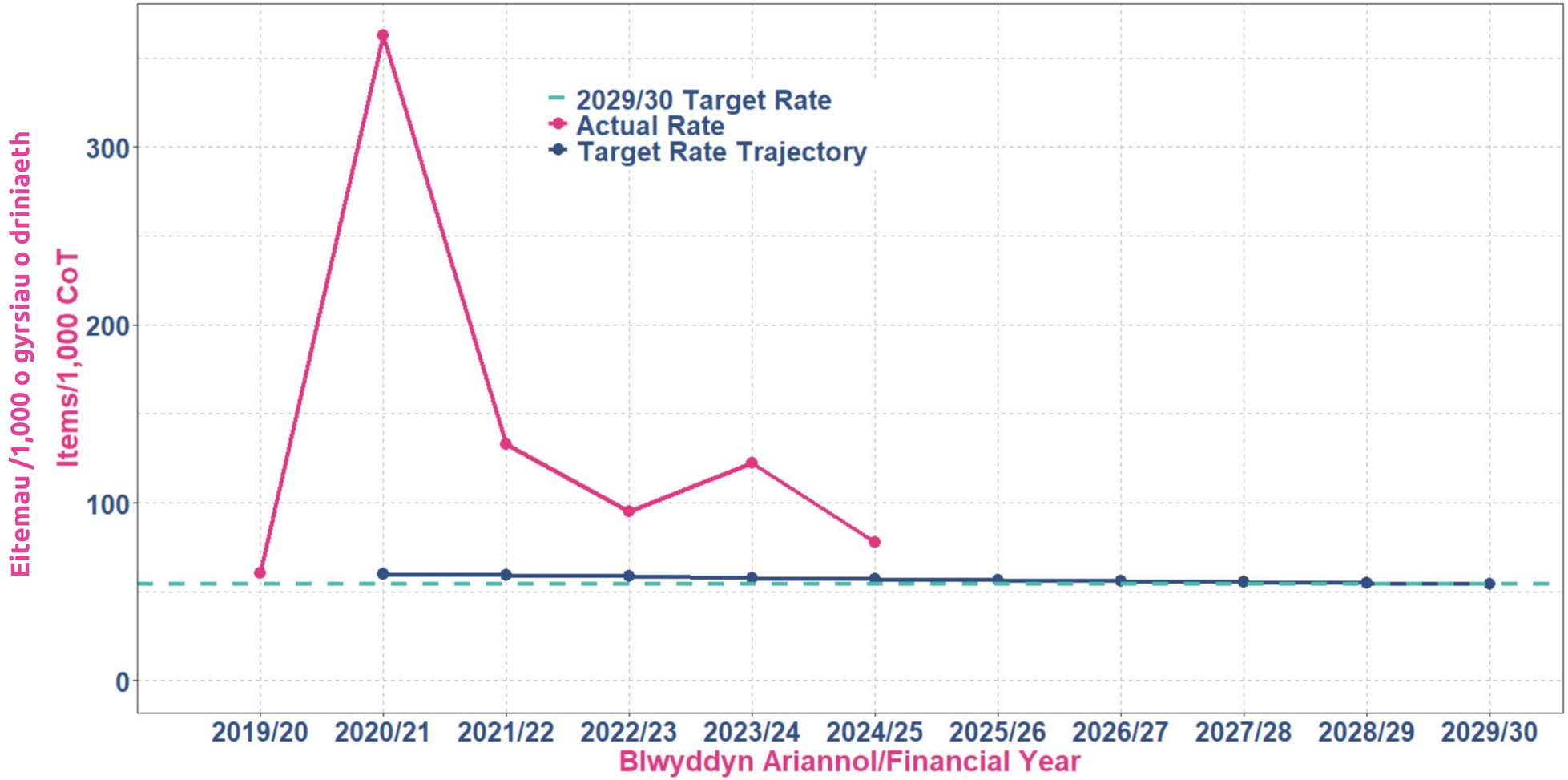
Bwrdd Iechyd Prifysgol Hywel Dda - taflwybr a defnydd gwrthficrobaidd (DDD): 2019/20 - 2024/25

Hywel Dda University Health Board - antimicrobial trajectory and usage (DDD): 2019/20 - 2024/25



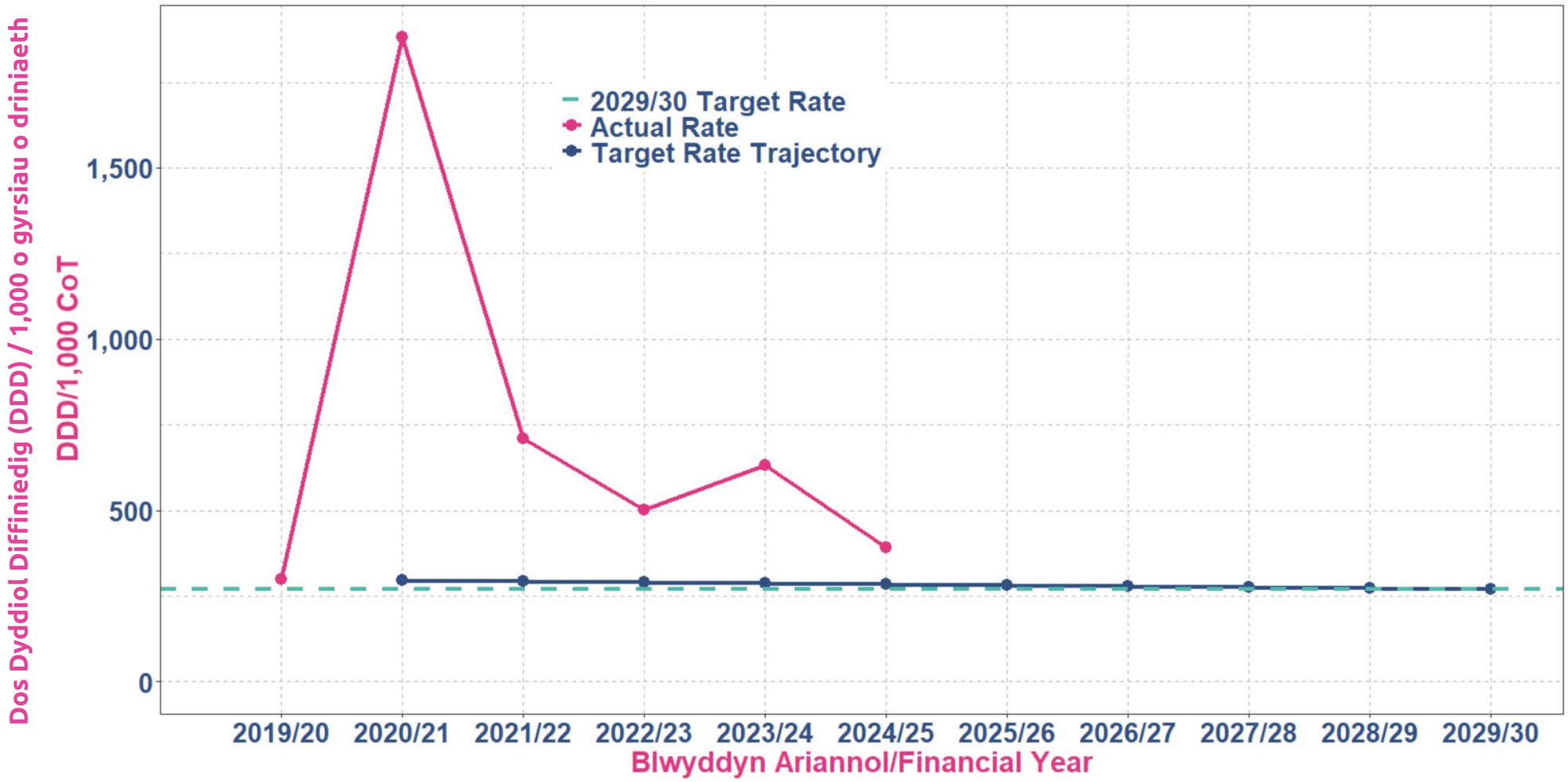
Bwrdd Iechyd Addysgu Powys - taflwybr a defnydd gwrthficrobaidd (eitemau): 2019/20 - 2024/25

Powys Teaching Health Board - antimicrobial trajectory and usage (items): 2019/20 - 2024/25

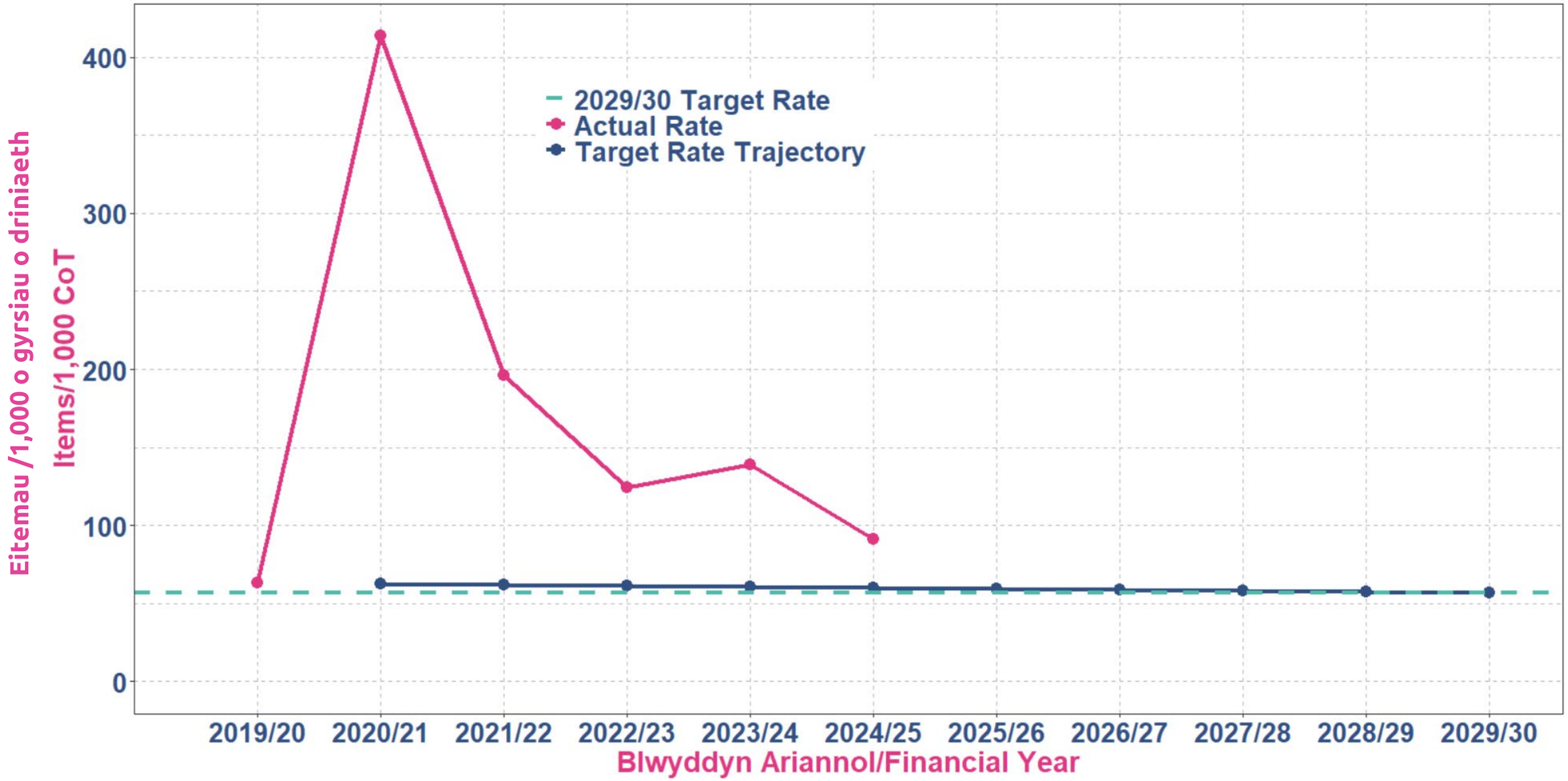


Bwrdd Iechyd Addysgu Powys - taflwybr a defnydd gwrthficrobaidd (DDD): 2019/20 - 2024/25

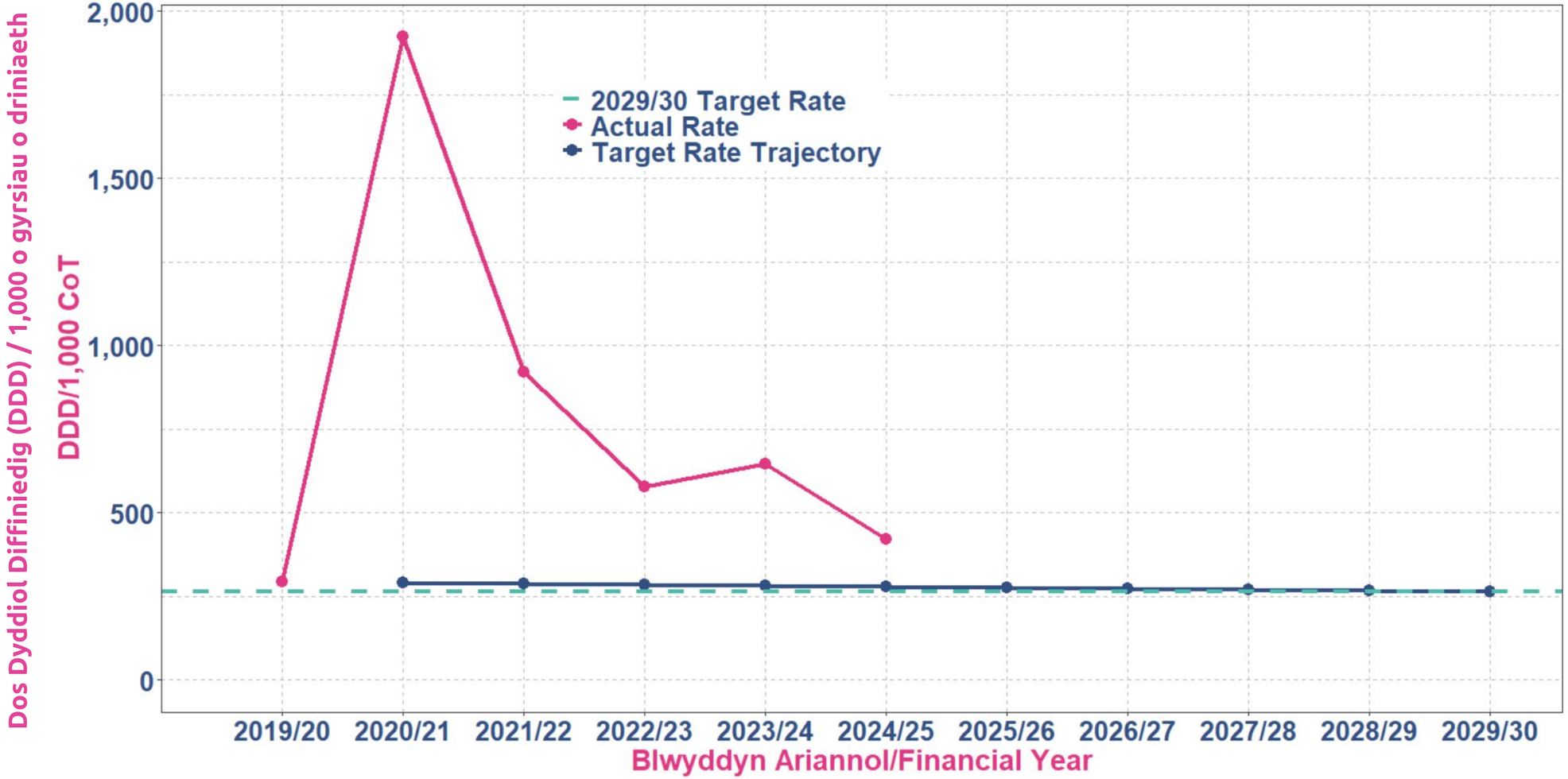
Powys Teaching Health Board - antimicrobial trajectory and usage (DDD): 2019/20 - 2024/25



Bwrdd Iechyd Prifysgol Bae Abertawe - taflwybr a defnydd gwrthficrobaidd (eitemau): 2019/20 - 2024/25
Swansea Bay University Health Board - antimicrobial trajectory and usage (Items): 2019/20 - 2024/25



Bwrdd Iechyd Prifysgol Bae Abertawe - taflwybr a defnydd gwrthficrobaidd (DDD): 2019/20 - 2024/25
Swansea Bay University Health Board - antimicrobial trajectory and usage (DDD): 2019/20 - 2024/25



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