

Secret Datasets to Discover

What NHS Datasets Might Hold the Answers?



Introduction

There are lots and lots of datasets that are published by the NHS and its associated bodies. We've called them secret datasets mainly due to how they are published.

None of these datasets have an account manager. You won't get a call or email from the NHS asking you if you would like to use them. This means that they are typically underutilised within the industry.

They also evolve over time in line with NHS initiatives, so just because you looked for something last week and didn't find it doesn't mean it won't be there next week (or even right now)!

While we're sure that most Pharma BI teams have heard of the GP prescribing data, QOF, HES, etc. we thought it useful to run through a few of the lesser well know datasets available.

Secret Datasets – Medicine Optimisation Dashboard

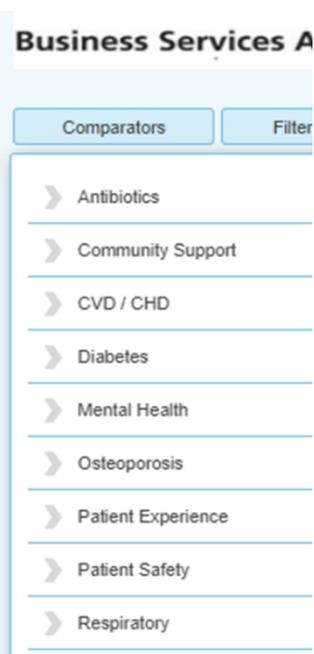
What is it?

The source for this Dataset is the NHS Business Services Authority (NHS BSA). The NHS BSA is an arm's length body of the Department of Health and Social Care (DHSC) and is responsible for providing platforms and delivering services which support the priorities of the NHS, Government, and local health economies. In so doing they manage around £35 billion of NHS spend annually.

The Medicine Optimisation Dashboard covers multiple dashboards that look at CCGs, Hospital Trusts and Medication Safety.

The CCG dashboard covers 9 areas, each with many metrics. Trust level three areas and Med Safety five.

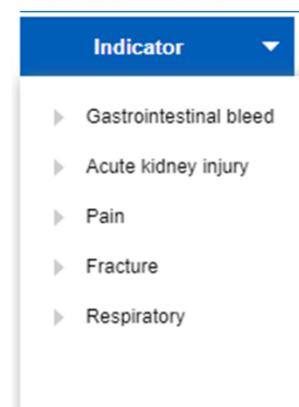
CCG



TRUST



MED SAFETY



Updates vary in frequency, with some elements no longer updated. However, the Medicine Optimisation Dashboard provides a wide suite of dashboards with a wealth of information.

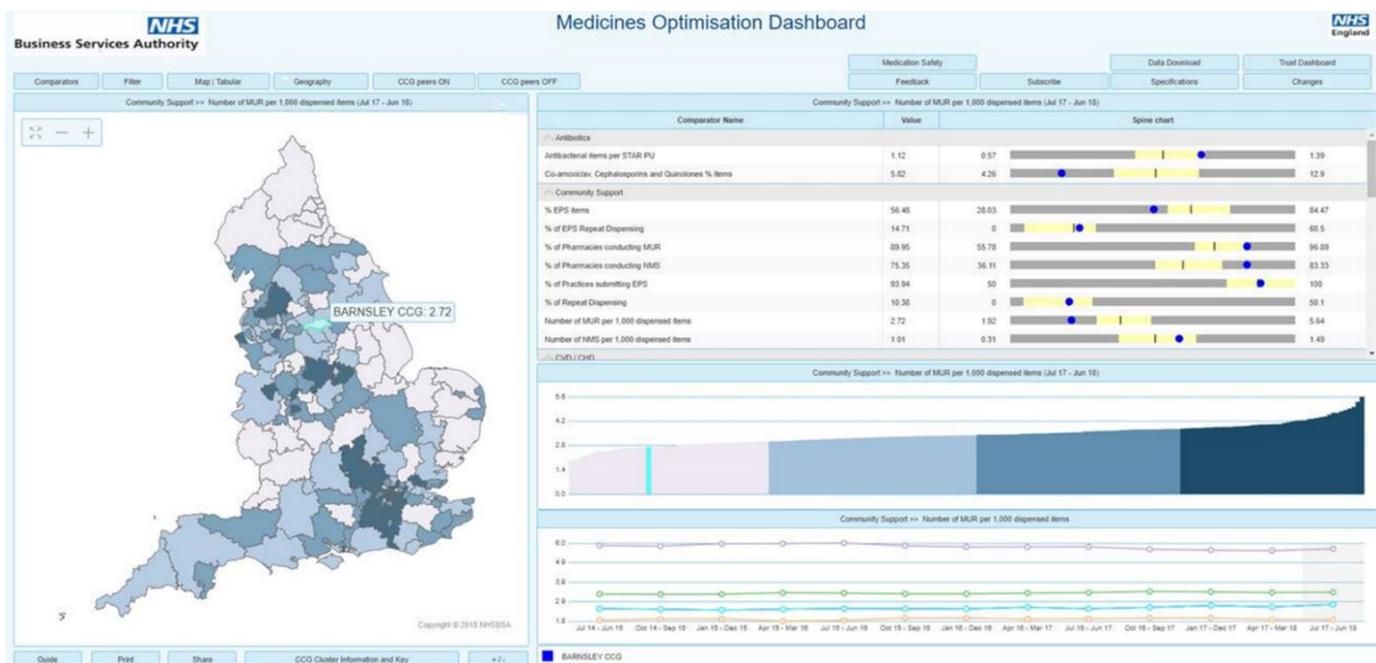
How to interpret the data

Examples below show:

GGC – MUR

One of the most relevant datasets in this dashboard suite is the MUR dashboard. MURs were an initiative to try and get community pharmacists more involved to take pressure of GP's. They were aimed at Polypharmacy patients.

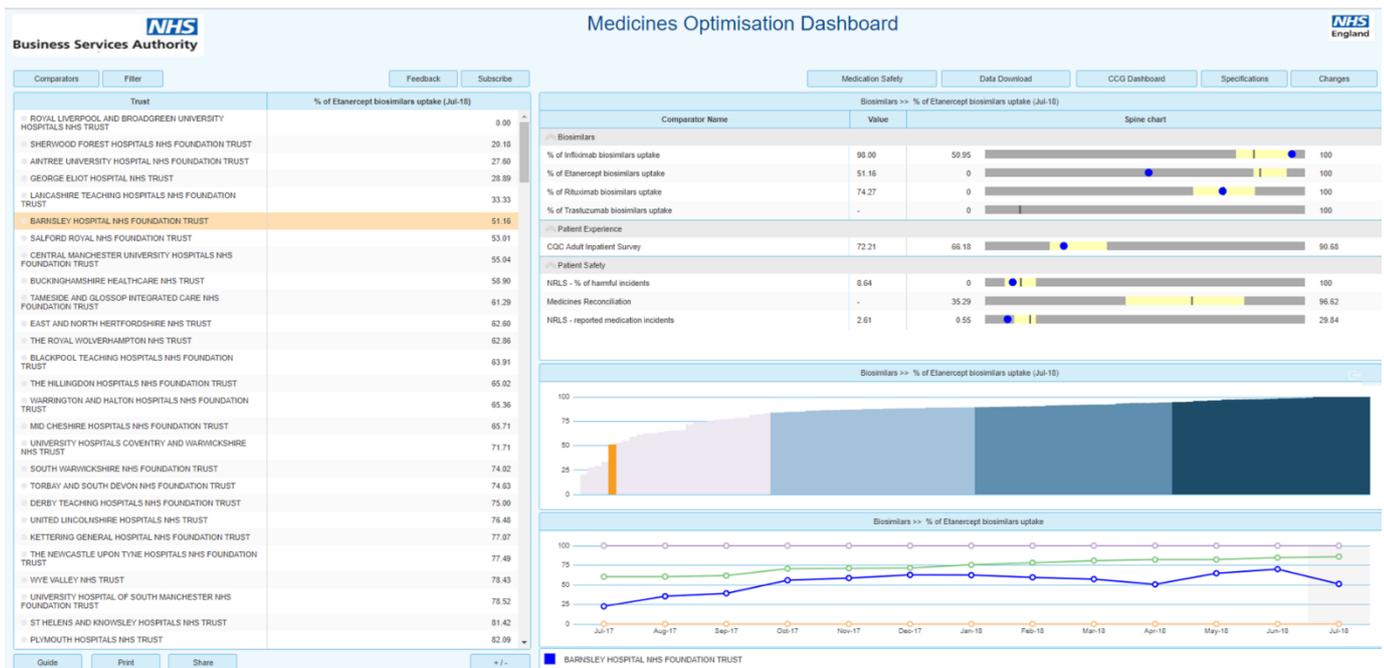
These are no longer happening, but chances are community pharmacies will take a bigger role in a post-Covid world so it likely their next initiative will also be published when it happens.



Trust – Etanercept biosimilar uptake

Biosimilars are also a big initiative in the NHS. The logic being that adopting biosimilars could save money. This data/dashboard provides insight for 5 products, and with every biosimilar launch the % uptake increased, suggesting the NHS is getting better at adoption

These insights give Biosimilar manufacturers a good idea of best target accounts, but also brand manufacturers the intelligence as to where a price negotiation may be essential.



Thoughts on use of the Medicine Optimisation Scorecard

This allows Pharma to profile and identify early adopters of biosimilars by Trust, and which Trusts are more likely to follow NICE. It is also possible to use the data for segmentation purposes.

Other Catalyst Dashboards

Safety - LABA without an ICS

Safety seems to be a current NHS initiative. They are now publishing data relating to 40 metrics designed to highlight potential risk. In this example about we are looking at patient prescribed a LABA but not an ICS (Asthma).

Other product classes include:

NOAC, Pain, NSAIDs, Cardiovascular, Z drugs (sleep)

Having the ability to see the number of patients being co-prescribed medications at a CCG level is quite amazing. Simply something you can't buy from any other source at a robust sub national level.

Medication Safety Indicators

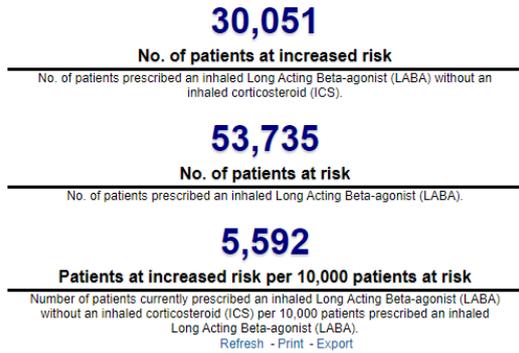
* Select a region to view/highlight: NORTH OF ENGLAND (Y54)
 * Select a CCG to view/highlight: BANES SWINDON AND WILTSHIRE CCG
 Apply Reset

Indicator Details

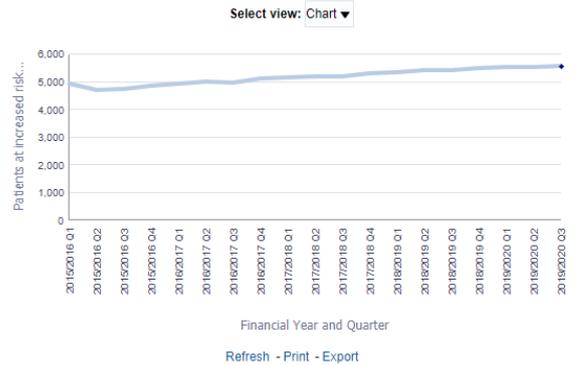
Indicator:Patients prescribed an inhaled Long Acting Beta-agonist (LABA) without an inhaled corticosteroid (ICS) and therefore potentially at increased risk of admission to hospital in an emergency for an exacerbation of asthma.
Indicator Theme:Respiratory
Description:Number of patients currently prescribed an inhaled Long Acting Beta-agonist (LABA) without an inhaled corticosteroid (ICS) per 10,000 patients prescribed an inhaled Long Acting Beta-agonist (LABA).
Numerator:No. of patients prescribed an inhaled Long Acting Beta-agonist (LABA) without an inhaled corticosteroid (ICS).
Denominator:No. of patients prescribed an inhaled Long Acting Beta-agonist (LABA).
Value:No. of patients at increased risk per 10,000 patients at risk
Age Group:n/a All
Reporting Period:Quarterly figures
Rationale:Inhaled Long Acting Beta-agonist (LABA) prescribed without an inhaled corticosteroid (ICS) may increase the risk of exacerbation of asthma.

National Data

Patients prescribed an inhaled Long Acting Beta-agonist (LABA) without an inhaled corticosteroid (ICS) and therefore potentially at increased risk of admission to hospital in an emergency for an exacerbation of asthma. (2019/2020 Q3)



Patients prescribed an inhaled Long Acting Beta-agonist (LABA) without an inhaled corticosteroid (ICS) and therefore potentially at increased risk of admission to hospital in an emergency for an exacerbation of asthma.



Data by Region

Catalyst: 01News > Catalyst: 03Dashboards > Medication Safety Indicators: Overview > Medication Safety Indicators: Overview > Medication Safety Indicators: Indicators > Medication Safety Indicators: Overview > M

Evidence based interventions

A current NHS initiative is to reduce a number of procedures where they don't feel there is strong enough evidence of a benefit. 17 procedures split into 2 categories.

Category 1 = Four that should not be routinely offered to patients unless there are exceptional circumstances

Category 2 = Thirteen interventions that should only be offered to patients when certain clinical criteria are met.

Evidence Based Interventions

Overview National Summary CCG STP Region Providers Datasets

* Select Year to End Month: 202007 * Select Provider: CROYDON HEALTH SERVICES NHS TRUST

* Select Evidence Based Intervention: Grand Total

Evidence Based Interventions for CROYDON HEALTH SERVICES NHS TRUST during year to end 202007

Evidence Based Interventions	Baseline (2017/18)	Latest Activity	Indicative Goal	Change Required
A. Intervention for snoring (not OSA)	5	5	0	5
B. Dilatation & curettage for heavy menstrual bleeding	5	5	0	5
C. Knee arthroscopy with osteoarthritis	6	7	0	7
D. Injections for nonspecific low back pain without sciatica	7	8	0	8
Total: Category 1	17	17	0	17
E. Breast reduction	55	55	0	55
F. Removal of benign skin lesions	230	244	215	29
G. Grommets	19	6	17	0
H. Tonsillectomy	108	86	106	0
I. Haemorrhoid surgery	42	51	24	27
J. Hysterectomy for heavy bleeding	68	66	66	0
L. Shoulder decompression	49	32	35	0
M. Carpal tunnel syndrome release	159	63	151	0
N. Dupuytren's contracture release	35	33	35	0
O. Ganglion excision	33	25	21	4
P. Trigger finger release	29	20	22	0
Q. Varicose vein surgery	137	97	113	0
Total: Category 2	930	745	827	0
Grand Total	947	762	827	0

Refresh - Print - Export

Latest Activity: 762
Indicative Goal: 827
Changed Required: 0

Grand Total trend over time for CROYDON HEALTH SERVICES NHS TRUST

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By being able to understand this at a Trust level you may be able to assist Trusts/CCG's/ICS's with financial planning and budget redistribution.

Community Pharmacy

This provides stats on how many patients each pharmacy sees.

This has value in relation to Covid & Brexit in terms of managing supply & demand and ensuring stock levels across the UK. Going forward this could be a good mechanism for helping to understand Parallel Trade.

Community Pharmacy Demand Dashboard

Select STP Team: BATH & NE SOMERSET, SWINDON & WILTS STP | Select 3-Month Time Period: Apr 20-Jun 20 | Dispenser Account Type: English Pharmacy | Dispenser Type: Community | Apply | Reset

Dispenser Code	Dispenser	Dispenser Account Type	Dispenser Type	Dispenser Address	Dispenser Postcode	STP plus Code	Total Patients (all ages)	Total Items (all patient ages)	Patients 70 and Over	Items for Patients 70 and Over	% Patients 70 and Over	% Items dispensed to patients 70 and over
FA433	UNIQLORE LTD	English Pharmacy	Community	WALTHAM ROAD, WOODLAND PARK, MADENHEAD, BERKSHIRE	SL8 3N4	FRIMLEY HEALTH & CARE ICS STP (Q2)	1,180	6,438	305	4,744	26.29	50.28
FA838	SUPERDRUG STORES PLC	English Pharmacy	Community	131-132 PEABODD STREET, WINDSOR, BERKSHIRE	SL4 1DW	FRIMLEY HEALTH & CARE ICS STP (Q2)	876	4,441	191	2,588	33.18	57.82
FA877	SUPERDRUG STORES PLC	English Pharmacy	Community	UNIT D, 13 CHARLES SQUARE, BRACKNELL, BERKSHIRE	RG12 1DF	FRIMLEY HEALTH & CARE ICS STP (Q2)	900	8,892	252	3,001	28.45	44.88
FA754	LLOYDS PHARMACY LTD	English Pharmacy	Community	FLEET MEDICAL CENTRE, CHURCH ROAD, FLEET	GU13 4PE	FRIMLEY HEALTH & CARE ICS STP (Q2)	3,043	16,881	899	7,951	26.54	47.16
FA775	BOOTS UK LIMITED	English Pharmacy	Community	22 MARTINGATE, CORSHAM, WILTSHIRE	SN13 0PL	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	1,077	6,840	343	2,083	31.85	38.93
FA883	L ROWLAND & CO (RETAIL) LTD	English Pharmacy	Community	1 PARK LANE, SWINDON, WILTSHIRE	SN1 5HG	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	1,478	14,245	334	6,096	22.83	47.00
FA435	LLOYDS PHARMACY LTD	English Pharmacy	Community	RINDHEAD, BAGSHOT ROAD, BRACKNELL, BERKSHIRE	RG12 7SS	FRIMLEY HEALTH & CARE ICS STP (Q2)	5,933	27,059	854	6,198	12.54	22.41
FA054	BOOTS UK LIMITED	English Pharmacy	Community	38 HIGH STREET, MALSBERY, WILTSHIRE	SN18 8AA	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	1,335	17,842	804	12,482	37.79	70.76
FA262	THE UFTON HEALTHCARE ALLIANCE (CPA) LTD	English Pharmacy	Community	45 MERCIAN WAY, SLOUGH, BERKSHIRE	SL1 5ND	FRIMLEY HEALTH & CARE ICS STP (Q2)	2,950	26,496	415	8,287	14.02	35.06
FA857	MCPARLAND HA	English Pharmacy	Community	119 BRIDGE ROAD, MADENHEAD, BERKSHIRE	SL8 8NA	FRIMLEY HEALTH & CARE ICS STP (Q2)	2,577	20,271	890	12,147	34.54	59.82
FA750	BOOTS UK LIMITED	English Pharmacy	Community	40 SALISBURY STREET, AMESBURY, SALISBURY, WILTSHIRE	SP4 7HD	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	3,442	34,806	949	15,082	27.25	49.32
FA020	BOOTS UK LIMITED	English Pharmacy	Community	6-8 HIGH STREET, CHIPPENHAM, WILTSHIRE	SN15 3ER	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	3,235	36,155	1,276	21,068	39.44	60.32
FA103	BOOTS UK LIMITED	English Pharmacy	Community	33-35 WESTGATE STREET, BATH	BA1 1BL	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	852	2,284	96	639	17.08	38.73
FAM14	BOOTS UK LIMITED	English Pharmacy	Community	14-18 THE AVENUE, WARMINSTER, WILTSHIRE	BA12 8AA	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	4,118	24,103	1,089	9,399	26.98	39.00
FAP46	SINGH S & PORTER B	English Pharmacy	Community	6 STONEYMEADE, CHIPPENHAM, SLOUGH	SL1 2YL	FRIMLEY HEALTH & CARE ICS STP (Q2)	1,139	10,187	227	4,076	19.99	40.12
FA073	TAW HILL HEALTHCARE LTD	English Pharmacy	Community	24 Aiken Road, Taw Hill, Swindon, Wiltshire	SN25 1JH	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	3,044	19,381	313	5,032	10.28	25.96
FA265	LLOYDS PHARMACY LTD	English Pharmacy	Community	CHESTERFIELD HOUSE, HIGH STREET, MOSCOP NORTON, BATH	BA3 2DD	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	2,591	34,298	1,045	22,891	40.33	65.74
FA888	BOOTS UK LIMITED	English Pharmacy	Community	THE PHARMACY, ROUNDSTONE SURGERY, POLESBARN CIRCUS, TROWBRIDGE, WILTSHIRE	BA14 7BG	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	4,907	28,570	1,199	11,451	25.99	40.08
FA931	WELLSWAY LIMITED	English Pharmacy	Community	2 HAVES PLACE, BEAR FLAT, BATH	BA2 4DW	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	2,112	36,508	991	28,765	45.92	79.56
FC319	HEATH END PHARMACY LTD	English Pharmacy	Community	103 FARNBOROUGH ROAD, HEATH END, FARNHAM, SURREY	GU9 9AW	FRIMLEY HEALTH & CARE ICS STP (Q2)	1,946	13,002	552	7,782	35.71	59.70
FC289	DAY LEWIS PLC	English Pharmacy	Community	37 ROCHELLE COURT, MARKET LAVINGTON, DEVIZES, WILTSHIRE	SN10 4AT	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	3,245	26,271	1,182	14,487	36.43	54.92
FC043	FACECHOICE HOLDINGS LIMITED	English Pharmacy	Community	FRESHBROOK VILLAGE CENTRE, FRESHBROOK, SWINDON, WILTSHIRE	SN6 5LJ	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	1,792	19,239	350	7,749	21.21	40.28
FC240	SUPERDRUG STORES PLC	English Pharmacy	Community	292 FARNHAM ROAD, SLOUGH, BERKSHIRE	SL1 4XL	FRIMLEY HEALTH & CARE ICS STP (Q2)	1,159	11,314	217	4,800	18.72	43.13
FC583	BESTWAY NATIONAL CHEMISTS LIMITED	English Pharmacy	Community	UNIT 2, NEW LIBRARY BUILDINGS, HIGH STREET, CALNE, WILTSHIRE	SN11 0BS	BATH & NE SOMERSET, SWINDON & WILTS STP (Q2)	2,259	16,838	803	8,105	35.55	48.73
FC085	TRIMM LIMITED	English Pharmacy	Community	21 HIGH STREET, ALDERSHOT, HAMPSHIRE	GU11 1SH	FRIMLEY HEALTH & CARE ICS STP (Q2)	2,812	24,149	678	10,273	22.99	42.84

Catalyst: 01News > Catalyst: 03Dashboards > Catalyst: 02Reports > Catalyst: 03Dashboards > Catalyst: 01News > Community Pharmacy Demand Dashboard: Area Team Information > Community Pharmacy Demand Dashboard: Area Team Information

Secret Datasets – NHS Safety Thermometer

What is it?

The Safety Thermometer has been developed for the NHS by the NHS as a Point of Care survey instrument. It provides a 'temperature check' on harm that can be used, alongside other measures, to measure local and system progress in providing a harm free care environment for patients.



Choose one of the 5 Thermometers to begin



There are five areas of focus, covering: Classic, Medication, Mental Health, Maternity, Children & Young People.

The NHS Safety Thermometer Looks at risks and events that are happening and those which could perhaps have been avoided. It allows teams to measure harm and the proportion of patients that are 'harm free' during the working day.

How to interpret the data

A number of dashboards, charts, spreadsheets, and downloadable data can be extracted. Data is presented as a 264mg xls raw file, or through the online portal.

And from this we can extract insights such as hospital acquired pressure ulcers, VTE's etc.

Web analytics



Thoughts on use of the NHS Safety Thermometer

The NHS Safety Thermometer can be used as an alternative to Hospital Episodes Statics data. There are no restrictions on use, meaning it can be fed into commercial tools and strategies without running a compliance risk.

In addition, it allows an understanding of Trust performance in terms of how well they are performing in providing a harm free care environment for patients, so something to consider when you or your family are using the NHS.

Secret Datasets – NHS Innovation Scorecard

What is it?

The NHS Innovation Scorecard reports on the use of medicines and medical technologies in the NHS in England which have been positively appraised by NICE. Designed to measure the uptake of medicines, this information is published every three months on behalf of the Office for Life Sciences.

It appears to be used, in part, as a bit of positive PR with 71% of medicines cited as being used more. Of course, if you ask Pharma, they would say we are notoriously slow in the UK at adopting and using new medicines.

Innovation Scorecard

The Innovation Scorecard reports on the use of medicines and medical technologies in the NHS in England which have been positively appraised by the National Institute for Health and Care Excellence (NICE).

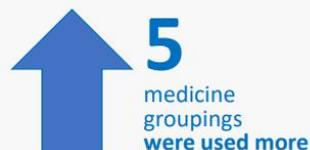
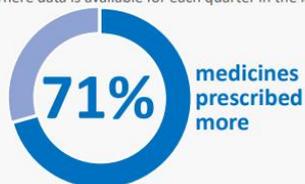


What do we measure?



What have we found?

For the 12 months from January 2020 to December 2020*** (compared to previous 12 months)
Where data is available for each quarter in the latest 24 months



** Separate medicine groupings for stroke by care setting i.e. GP and hospital.

*** Reported as Defined Daily Doses (DDD), Actual Daily Doses (ADD), mgs, vials, tablets, units, implants, pads, interventions or pens/syringes per 100,000 of population or QOF register in England.

NB. Medicines are those reported on the Innovation Scorecard.

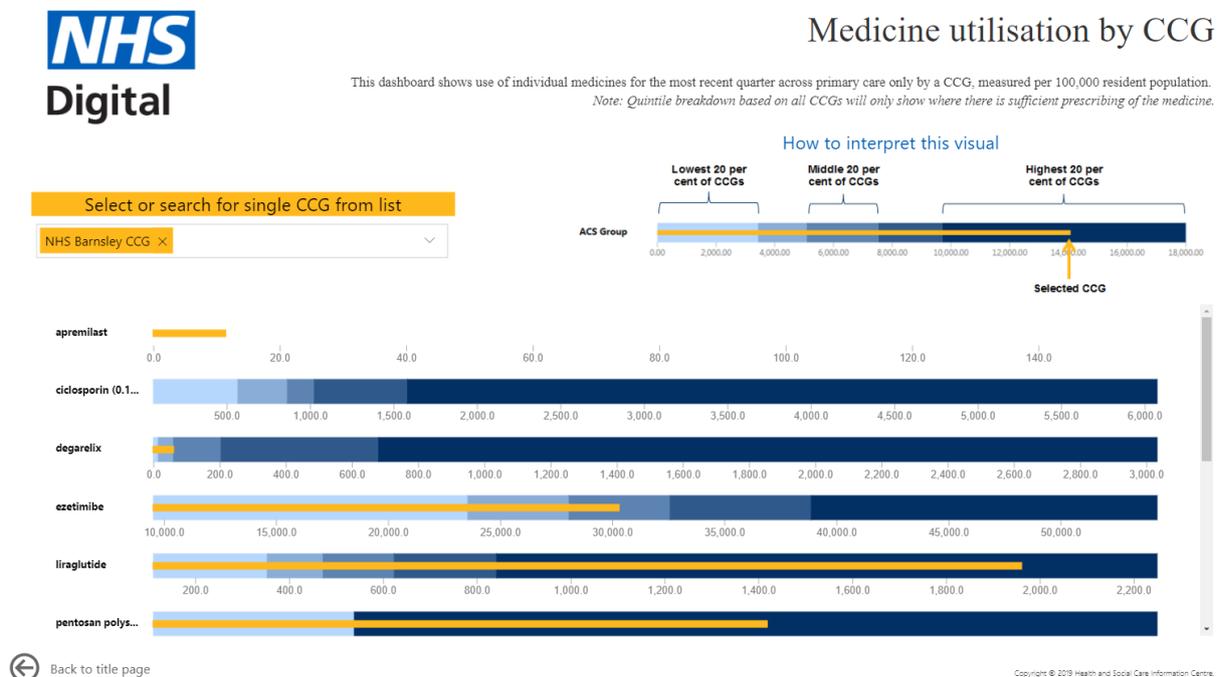
Source: NHS Digital

What is published?

The dashboard uses a mixture of datasets including GP Prescribing data, Hospital usage data, HES and QOF, bringing these together to show usage of the positively appraised medicines.

What does it look like?

As well as publishing a number of csv files containing the raw data, NHS Digital now also produce a suite of Power BI dashboards focusing on what they feel are the key metrics and dimensions



Thoughts on use of the NHS Innovation Scorecard

With the recent (ish) release of the Hospital usage data by the NHS the value of the NHS Innovation Scorecard to Pharma is probably less than it was historically. Whereas this report used to include free annual HPAI data, the Trusts level data being published monthly is now more useful.

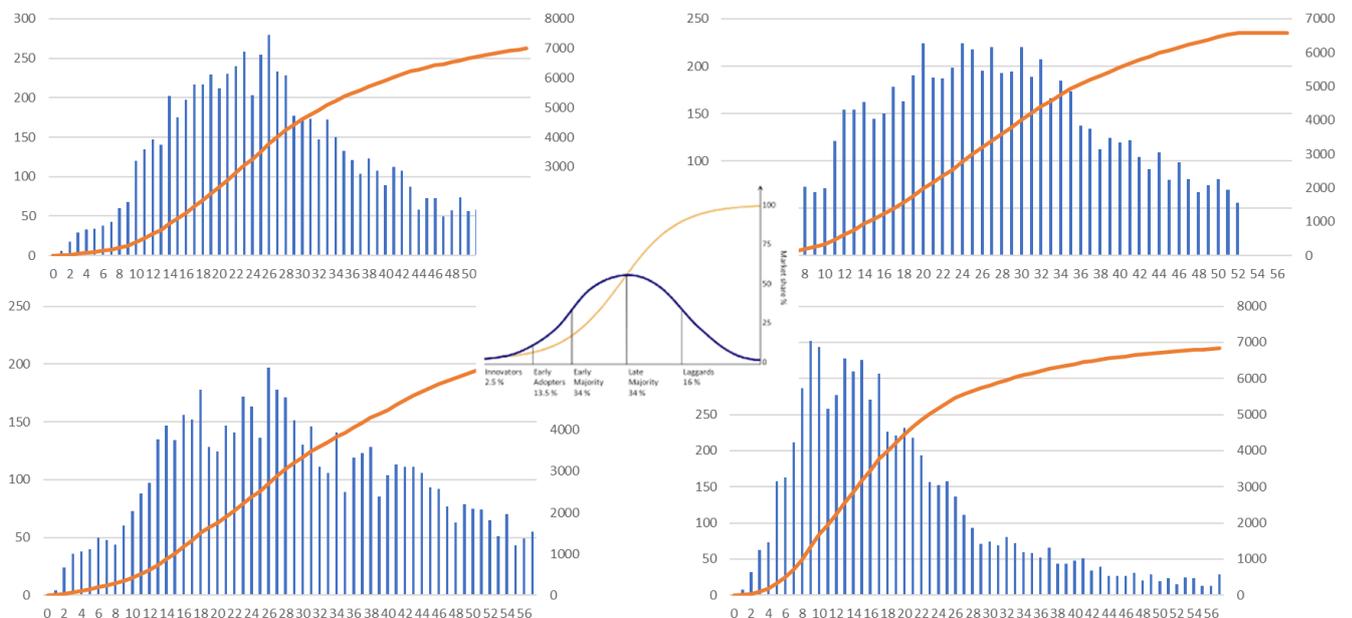
Secret Datasets – Using ePact Data to Assess & Predict Launches

This data set is not so much secret, but a new possible use perhaps.

When launching a product, how do you know whether it is going well? Can you assess whether the practices you would expect to be buying by now are?

ePact data provides many years of back data, enabling you to spot patterns and align expectations.

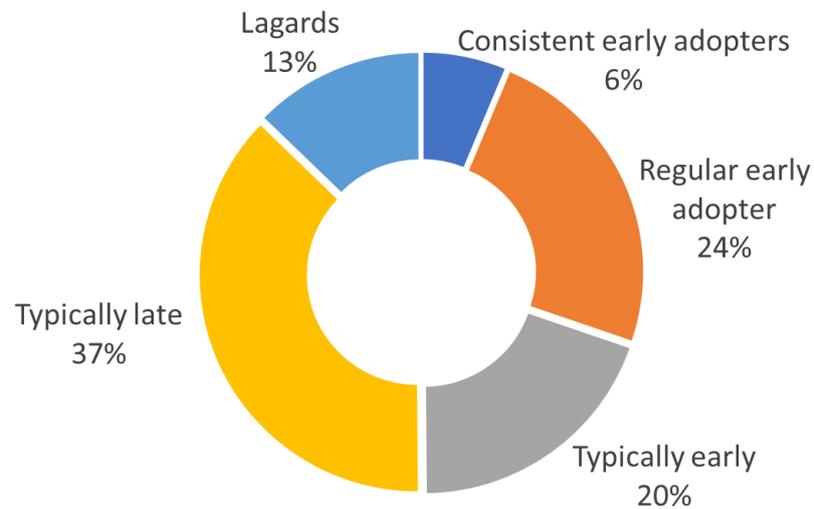
Example of 4 launches of PC products



The above chart looks at 4 primary care launches and measures the number of practices starting to use the product by month. Whereas 3 of the products had relatively similar uptake curves, the 4th was able to achieve a greater breadth of prescribing much more quickly.

The real value in analytics like this comes with bringing together various product launches to look for consistent behaviours at a practice level, which can be seen below.

To what extent are individual practices consistent in their adoption?



We are interested to use this kind of approach to profile how PCN's will behave. All the data is out there, it is just a case of joining it together and bringing it to life.

Thoughts on using ePact to assess and predict launches

The term 'advanced analytics' is very much in fashion at the moment, and with ePact data we now have a longitudinal dataset with 10+ years of history for England, so predicting primary care launches is now much easier than it would have been in the past. This can also apply to hospital-initiated products that patients get repeat scripts for in the community, which provides a more relevant angle of use.

Conclusion

The availability of data and insight from the NHS is now greater than it has ever been before. New dashboards are popping up right, left and centre, with no marketing. We have barely touched the surface in this article, giving but a little peak into some of the data available.

Keeping up to date on what data are available is a time-consuming task. CSL constantly monitors the web to identify datasets that may be valuable to our clients. Chances are there are 1 or 2 specific datasets that relate to your areas of interest.

These datasets can provide incredible insights, often above those of datasets that could be costing ten of thousands of pounds to purchase. This trend of increasing volume and value of NHS data is one we can only see continuing.