

RESPIRATORY PRESCRIBING SCHEMES GUIDE 2017/18

TOTAL AVAILABLE NHS SAVINGS IN THIS EDITION

£133 MILLION

EDITION TWO

This prescribing guide brings together the details of the medicines optimisation schemes highlighted by impact500, the potential impact for your individual NHS organisations and key information that allows you to effectively communicate your essential prescribing schemes and achieve rapid implementation.

Key information included:

1. Prescribing project overviews highlighting cost and safety benefits
2. Potential savings at national, regional and individual NHS organisation level
3. Relative performance across NHS regions
4. How the impact500 interface can empower your NHS Organisation to realise significant prescribing optimisation savings.

For a more comprehensive analysis please use in conjunction with the impact500 interface, further information can be found on page 37.

CONTENTS

Respiratory Category areas containing impact500 activated projects and associated savings

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impact500 activated projects

Potential Annual Savings

These activated respiratory projects can be found within the impact500 interface along with other therapy area specific projects. The number of active projects will continue to expand.

Please find link to impact500 interface:
www.nhspathways.org

All CCGs have been issued with login credentials, if you need assistance accessing the interface please contact:

chelsea.hindmarch@prescribing.org
01603 327 575

SECTION	PROJECT	NATIONAL
01	Fluticasone / Salmeterol Combination MDI Medium and High Dose	£38,617,401
	Short Acting Beta2 Agonists	£11,313,507
02	Long Acting Beta2 Agonists	£7,421,663
	Long Acting Muscarinic Antagonists	£50,146,525
03	Budesonide Combination MDI	£1,113,999
04	Prednisolone Soluble Tablet Deprescribing	£7,630,593
05	Alimemazine Deprescribing*	£17,520,583
TOTAL		£133,764,271

*Savings based on annual spend through deprescribing



01

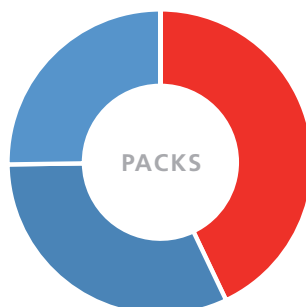
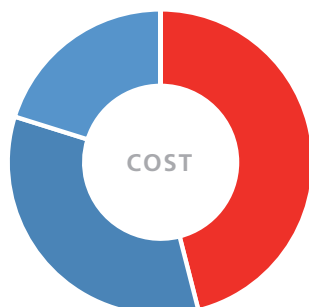
COMBINATION INHALERS

TOTAL AVAILABLE ANNUAL NHS SAVINGS

FLUTICASONE / SALMETEROL COMBINATION MDIs **£38,617,401**
MEDIUM AND HIGH DOSE

EDITION TWO

Fluticasone And Salmeterol Combination MDIs High And Medium Dose

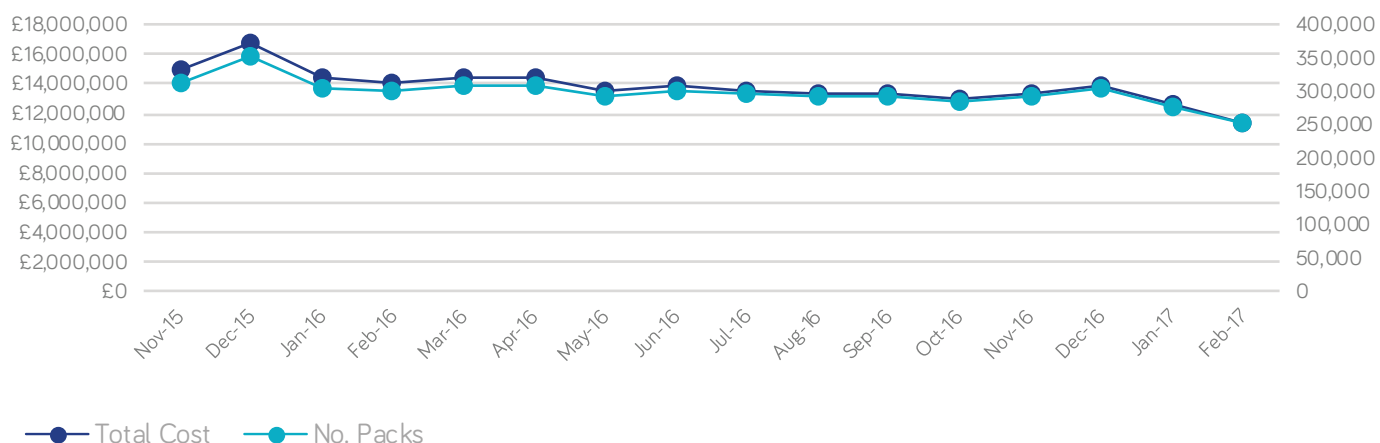


DRUG	COST	PACKS
Seretide Evohaler 125 & 150mcg	46%	43%
Salmeterol/ Fluticasone MDI 125 & 150mcg	34%	32%
Sirdupla 125 & 150mcg	20%	25%

Cost-Effective Choices

✓ Sereflo 125
Sereflo 250

COST & PACKS BY MONTH



Prescribing Update

The cost of generic Salmeterol / Fluticasone MDI prescribing to the NHS is currently £59 million per annum. This is despite the fact that more cost-effective equivalents have been available for some time. The most cost-effective option available now is Sereflo MDI priced at £23.50 and £39.95 respectively for the 125mcg and 250mcg inhalers.

Salmeterol / Fluticasone MDI prescribing is costing the NHS £59 million per annum. This spend can be reduced by more than 33% by optimising patients across to Sereflo MDI.

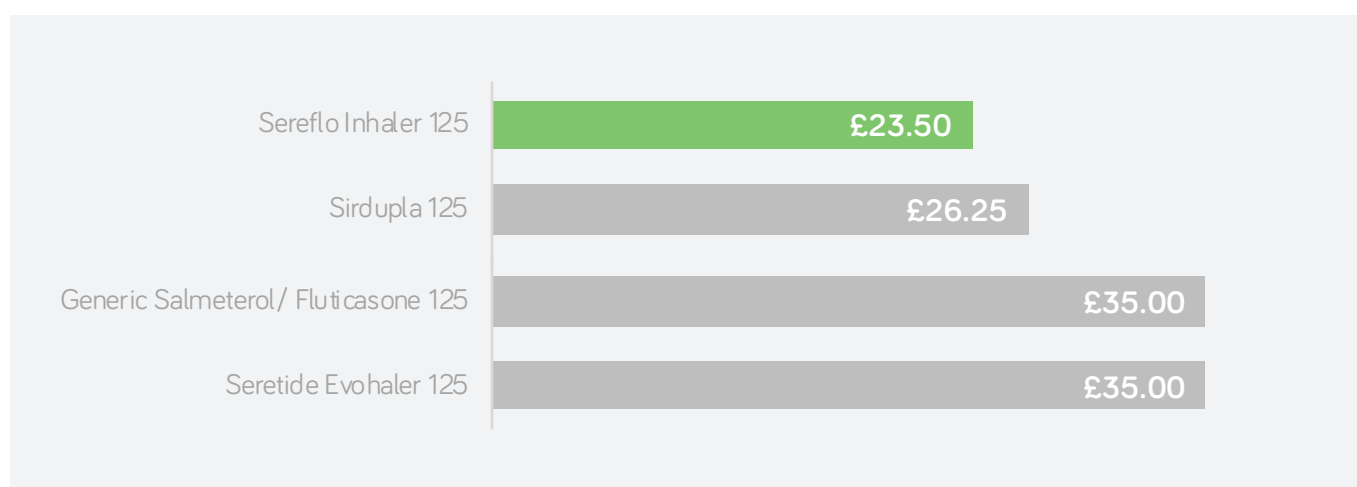
Cost-Effective Choices - Salmeterol / Fluticasone MDI

Sereflo 125 - £23.50

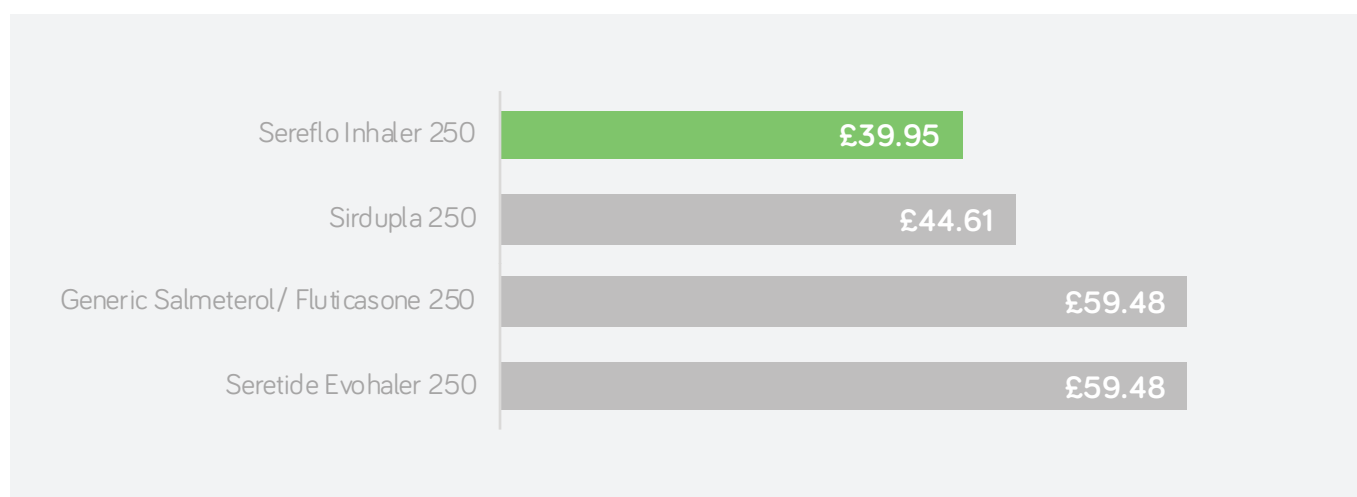
Sereflo 250 - £39.95



TARIFF PRICE - MEDIUM DOSE



TARIFF PRICE - HIGH DOSE

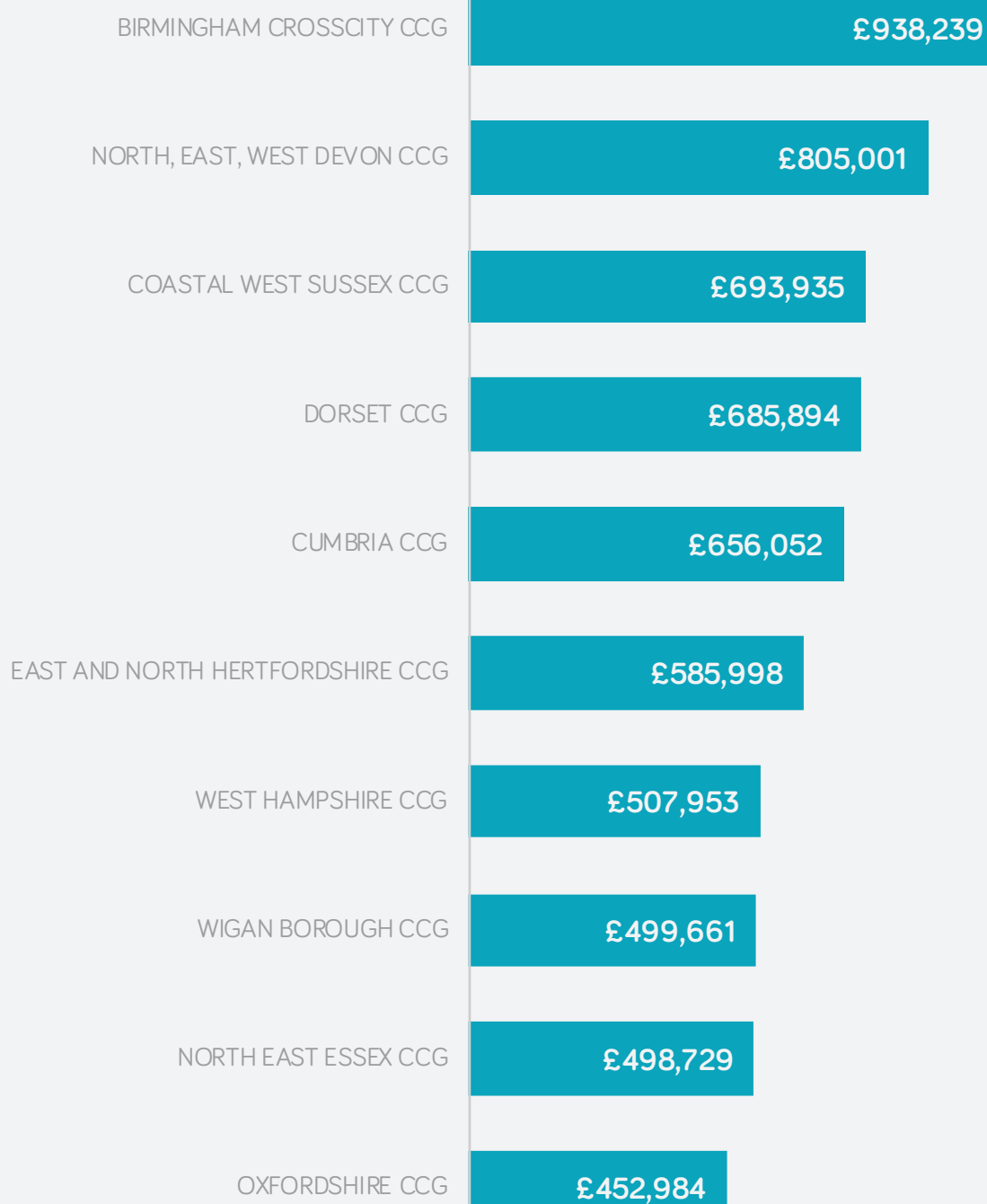


CCG Potential Annual Savings

Realise the potential for your CCG by utilising your free CCG impact500 interface.

Please use the contact details within the email to request your impact500 interface access.

TOP 10 CCGS BY POTENTIAL SAVING



Saving based on optimising to most cost-effective option available

REFERENCE SOURCES

BNF EVIDENCE

<https://www.evidence.nhs.uk/formulary/bnf/current/3-respiratory-system/32-corticosteroids>

BRITISH THORACIC SOCIETY

www.brit-thoracic.org.uk/standards-of-care

MHRA (Note - this link needs to be copied into your web browser)

http://www.mhra.gov.uk/spc-pil/?IdcService=SS_GET_PAGE&nodeld=%3C%25%3D+nodeld+%25%3E&searchFiled=sereflo&SubmitSearch=Search

impact500

Surgery	Ref	Age	Gender	Drug	Opt?	Dose	Last issued	LAMA	COPD	Asthma	Inhaler Tech	Nut Allergy	Peak Flow	Fex1	FEV1/FVC %
	9540081	93	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	07/05/2017	X	X	X	✓	X			
	5496114	93	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	20/03/2017	X	X	✓	✓	X			
	13756	92	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	08/03/2017	X	X	X	X	X			
	18689942	90	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	28/02/2017	X	X	✓	✓	X	450		
	11779509	89	M	Formoterol (Formoterol Powder Inhaler)	X	12 mcg / dose (60 capsules plus inhaler)	21/03/2017	X	X	X	X	X	250		
	5496214	89	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	09/03/2017	✓	✓	✓	✓	✓	256	1.14	92.00
	9559785	88	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	17/05/2017	X	X	✓	✓	✓	150		
	19406	88	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	07/03/2017	X	X	✓	✓	✓	300		
	9540041	87	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	10/03/2017	X	X	X	✓	X	1.77	49.44	
	9539893	87	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	28/02/2017	X	X	✓	✓	✓	150		
	5497364	87	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	22/02/2017	X	X	X	X	X			
	3294	87	M	Orbizen Breezhaler (Indacaterol inhaler)	X	150 mcg (3 x 10)	22/03/2017	X	✓	X	✓	✓	292	1.57	69.00

33%

Salmeterol / Fluticasone MDI

Saving

All medicines optimisations have potential risk and therefore it is important to ensure your projects are implemented effectively without compromising patient safety. impact500 is able to filter patients less suitable for an optimisation to ensure validated, safe and effective implementation.

Sereflo Report PDF link

www.ccgprescriber.org/impact/impact500-sereflo.pdf



02

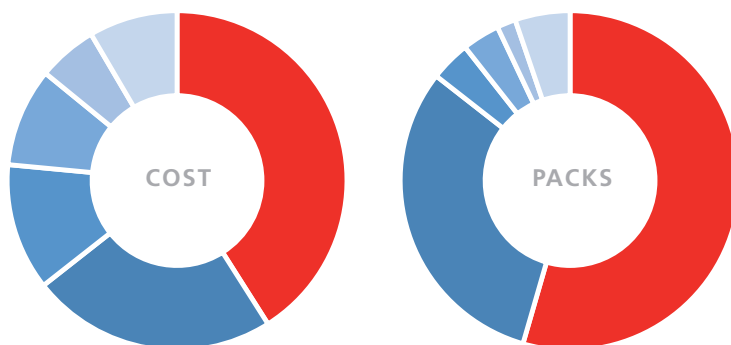
BRONCHODILATORS

TOTAL AVAILABLE ANNUAL NHS SAVINGS

Short Acting Beta2 Agonists	£11,313,507
Long Acting Beta2 Agonists	£7,421,663
Long Acting Muscarinic Antagonists	£50,146,525

EDITION TWO

Short Acting Beta2 Agonists



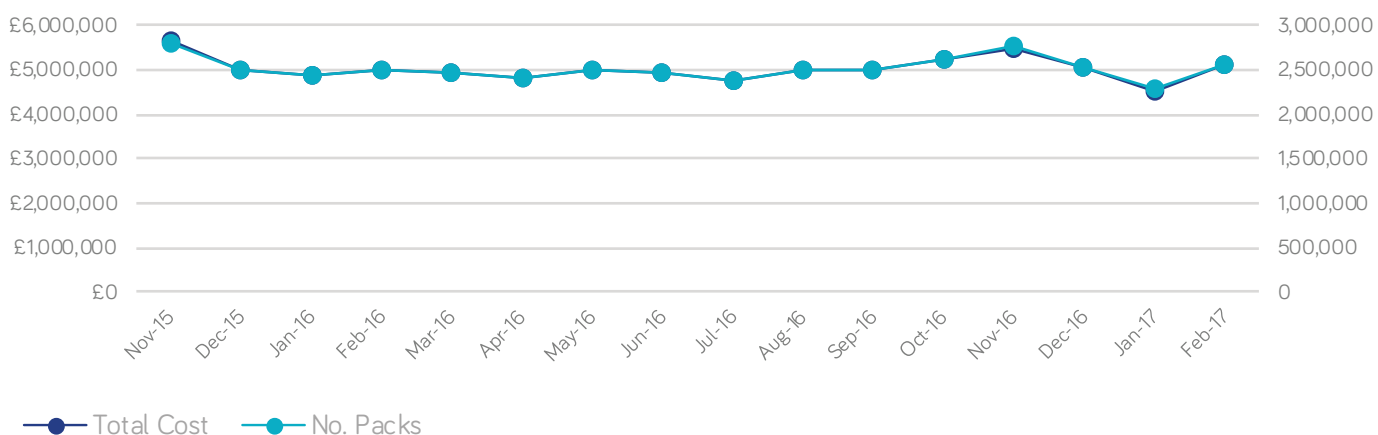
DRUG	COST	PACKS
Salbutamol MDI	41%	54%
Ventolin Evohaler	23%	31%
Salbutamol Inhaler	12%	4%
Bricanyl / Terbutaline	9%	4%
Salamol Easi-Breathe	6%	2%
Other	8%	5%

Cost-Effective Choices

✓ MDI - **Generic Salbutamol**
MDI - **Ventolin Evohaler**
MDI - **Salamol**

✓ Dry Powder - **Easyhaler Salbutamol**

COST & PACKS BY MONTH



Prescribing Alert

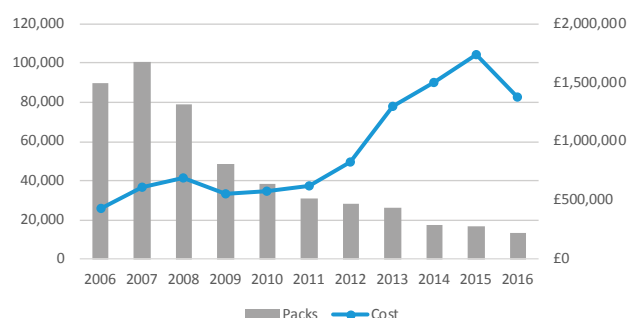
Salbutamol Tablet prescribing is costing the NHS in excess of £2million per annum. This spend can be reduced by 99% by optimising across to Salbutamol Solution.

The current spend on Salbutamol Tablets accounts for 10% of the overall spend on Bronchodilators but represents only 2% of Bronchodilator packs prescribed.

Salbutamol Tablets cost in excess of £100 whilst Salbutamol Solution is £1.15. An astonishing saving of 99% available to the NHS.

Please identify these patients as a priority and change them to Salbutamol Solution if appropriate.

NATIONAL SALBUTAMOL TABLETS COST IMPACT

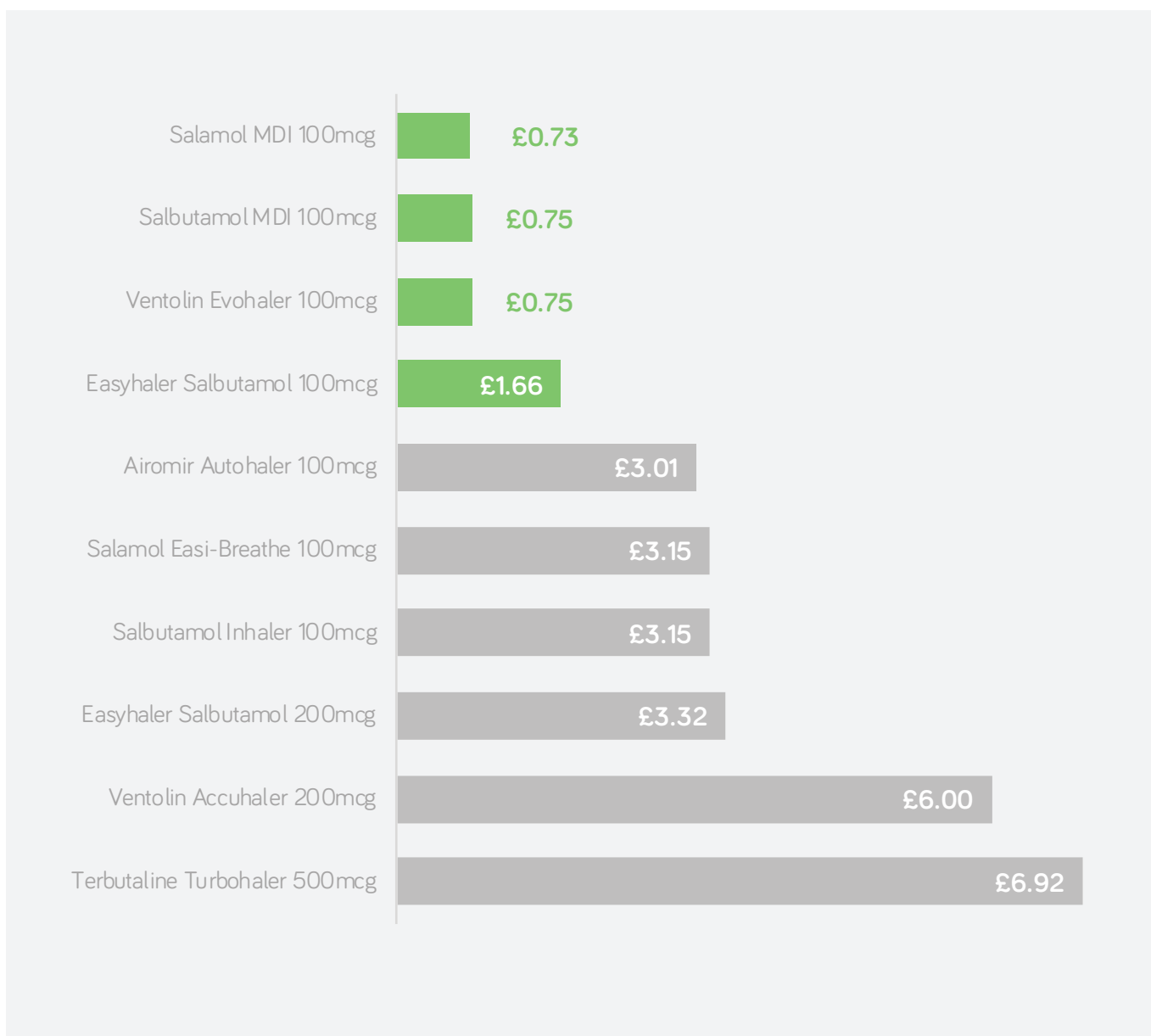


Cost-Effective Choices

MDI - Generic Salbutamol	£1.50
MDI - Ventolin Evohaler	£1.50
MDI - Salamol	£1.50
Dry Powder - Easyhaler Salbutamol	£3.31



SHORT ACTING BETA2 AGONISTS INHALERS - COST PER 100 DOSES



CCG Potential Annual Savings

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Please use the contact details within the email to request your impact500 interface access.

TOP 10 CCGS BY POTENTIAL SAVING



Saving based on optimising to most cost-effective option available

REFERENCE SOURCES

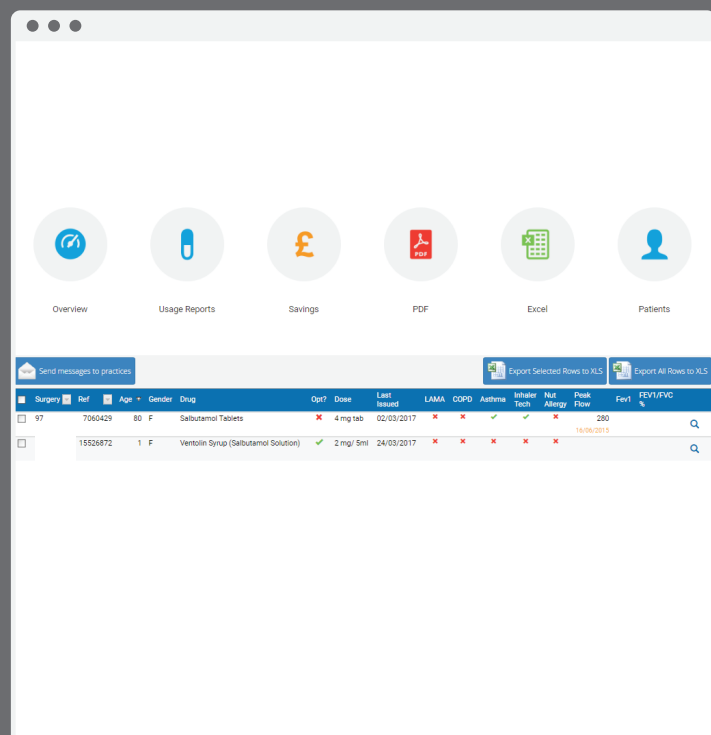
BNF EVIDENCE

<https://www.evidence.nhs.uk/formulary/bnf/current/3-respiratory-system/31-bronchodilators>

MHRA (Note - this link needs to be copied into your web browser)

http://www.mhra.gov.uk/spc-pil/?IdcService=SS_GET_PAGE&nodeld=%3C%25%3D+nodeld+%25%3E&searchFiled=salbutamol+tablets&SubmitSearch=Search

impact500



99%

Salbutamol Tablet Saving

£12.5 million

Easyhaler Salbutamol Saving

All medicines optimisations have potential risk and therefore it is important to ensure your projects are implemented effectively without compromising patient safety. impact500 is able to filter patients less suitable for an optimisation to ensure validated, safe and effective implementation.

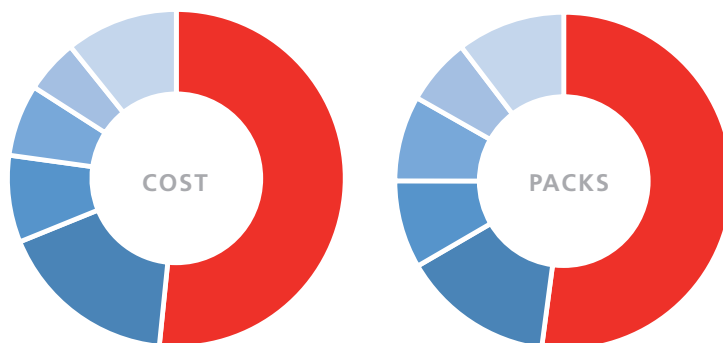
Easyhaler Report PDF

www.ccgprescriber.org/impact/impact500-easyhaler.pdf

Salbutamol Tablets Report PDF

www.ccgprescriber.org/impact/impact500-SalbutamolTablets.pdf

Long Acting Beta2 Agonists



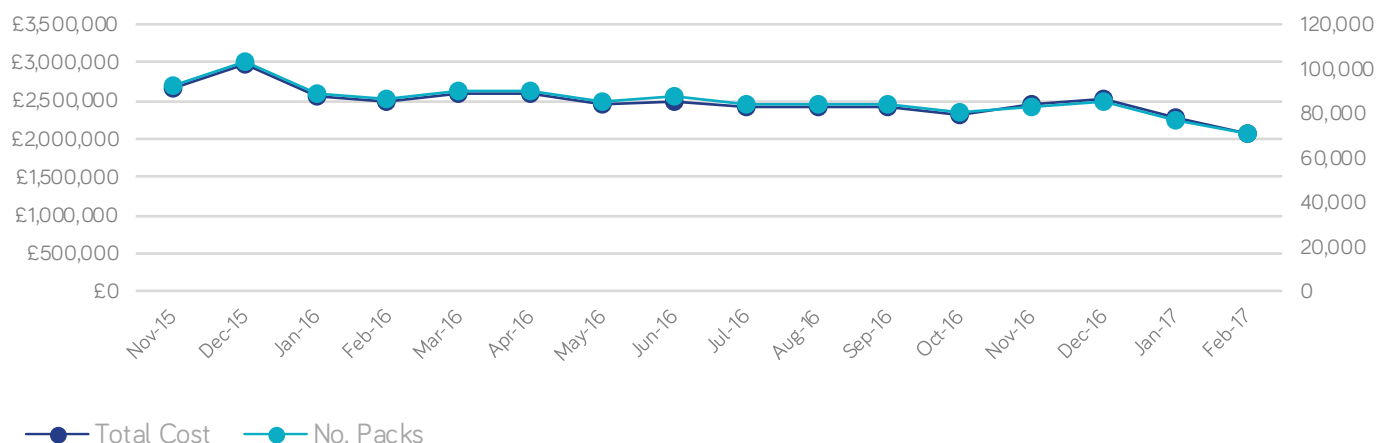
DRUG	COST	PACKS
Salmeterol MDI	52%	52%
Serevent Accuhaler	17%	15%
Serevent MDI	8%	8%
Oxis Turbohaler	7%	8%
Easyhaler Formoterol	5%	6%
Other	11%	10%

Cost-Effective Choices

✓ MDI - **Soltel**

✓ Dry Powder - **Formoterol Easyhaler**

COST & PACKS BY MONTH



Background

Salmeterol currently costs the NHS more than £22 million per annum. There is finally a cost-effective brand of Salmeterol MDI available to prescribers called Soltel. Soltel 25mcg MDI has a list price of £19.95 offering savings of 30% compared to Serevent MDI or generically prescribed Salmeterol MDI. This cost effective MDI prescribing option joins the existing cost effective dry powder prescribing option of Formoterol Easyhaler.

There are currently more than 70,000 Long Acting Beta2 Agonists packs per month prescribed in Primary Care across England costing more than

£2million each month. 8% of this utilisation is Serevent MDI, 53% is Salmeterol MDI, 14% is Serevent Accuhaler. All of this Salmeterol utilisation is being reimbursed at the original brand tariff. Soltel MDI has equivalent dosing and costs just £19.95 per pack providing a very significant saving for your CCG.

Formoterol Easyhaler has the potential to save in excess of £2 million in relation to existing dry powder Long Acting Beta2 Agonists inhaler utilisation.

Cost-Effective Choices

Soltel - £19.95

(Salmeterol 25mcg/dose inhaler CFC free/ 120dose unit)

Soltel has recently been launched as a cost-effective

option for Long Acting Beta2 Agonists. It allows direct optimisations from generic Salmeterol MDI with National NHS savings of £5 million per year.



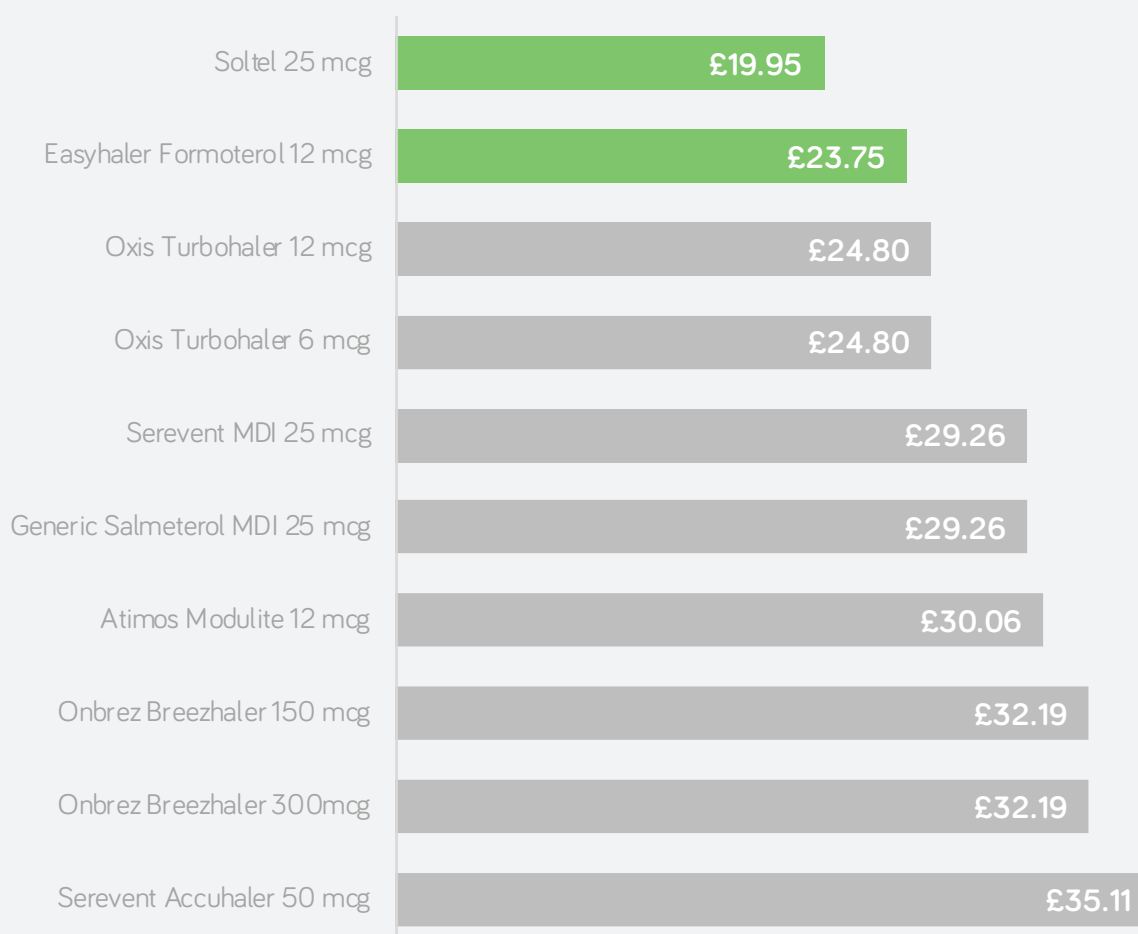
Formoterol Easyhaler - £23.75

(Formoterol 12 mcg /dose dry powder inhaler /120dose unit)

Where a high dose Long Acting Beta2 Agonist is required the most cost-effective option is the 120 dose Formoterol Easyhaler costing £23.75.



TARIFF PRICE



CCG Potential Annual Savings

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TOP 10 CCGS BY POTENTIAL SAVING



Saving based on optimising to most cost-effective option available

REFERENCE SOURCES

BNF EVIDENCE

www.evidence.nhs.uk/formulary/bnf/current/3-respiratory-system/31-bronchodilators/311-adrenoceptor-agonists/3111-selective-beta2-agonists

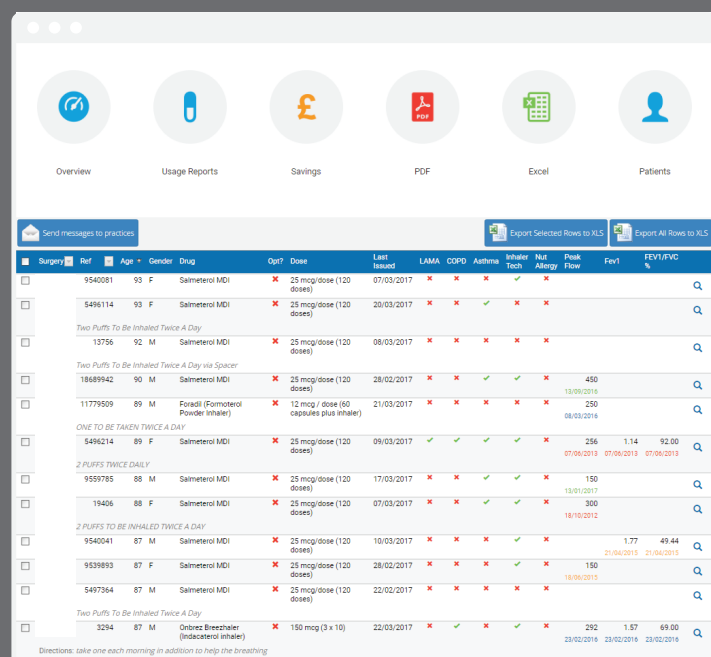
BRITISH THORACIC SOCIETY

www.brit-thoracic.org.uk/standards-of-care

MHRA (Note - this link needs to be copied into your web browser)

www.mhra.gov.uk/spc-pil/?prodName=SOLTEL%20CFC-FREE%20INHALER%2025%20MICROGRAMS%20PER%20ACTUATION%20PRESSURISED%20INHALATION%2020SUSPENSION&subsName=SALMETEROL%20XINAFOATE&pageID=SecondLevel

impact500



The screenshot shows the impact500 software interface. At the top, there are icons for Overview, Usage Reports, Savings, PDF, Excel, and Patients. Below these is a table with columns: Surgery, Ref, Age, Gender, Drug, Opt?, Dose, Last Issued, LAMA, COPD, Asthma, Inhaler Tech, Not Allergy, Peak Flow, Fev1, and FEV1/FVC. The table lists several patients, including those on Salmeterol MDI and Formoterol Easyhaler. Some rows are highlighted in blue, indicating specific medication changes or savings.

30%
Salmeterol MDI Saving

32%
Formoterol Easyhaler
Dry Powder Saving

All medicines optimisations have potential risk and therefore it is important to ensure your projects are implemented effectively without compromising patient safety. impact500 is able to filter patients less suitable for an optimisation to ensure validated, safe and effective implementation.

To realise these astonishing savings there needs to be an effortless and effective implementation strategy. All the essential requirements to achieve this are found within impact500.

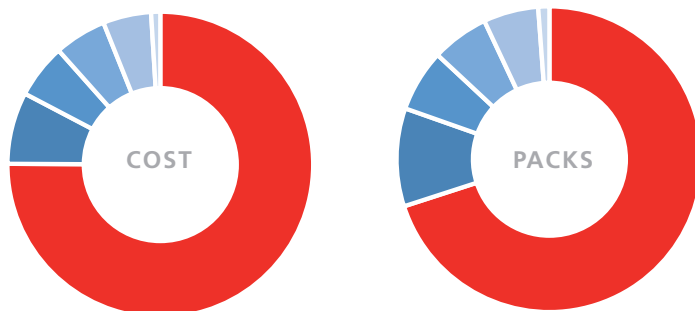
Easyhaler Report PDF

www.ccgprescriber.org/impact/impact500-easyhaler.pdf

Soltel Report PDF

www.ccgprescriber.org/impact/impact500-soltel.pdf

Long Acting Muscarinic Antagonists



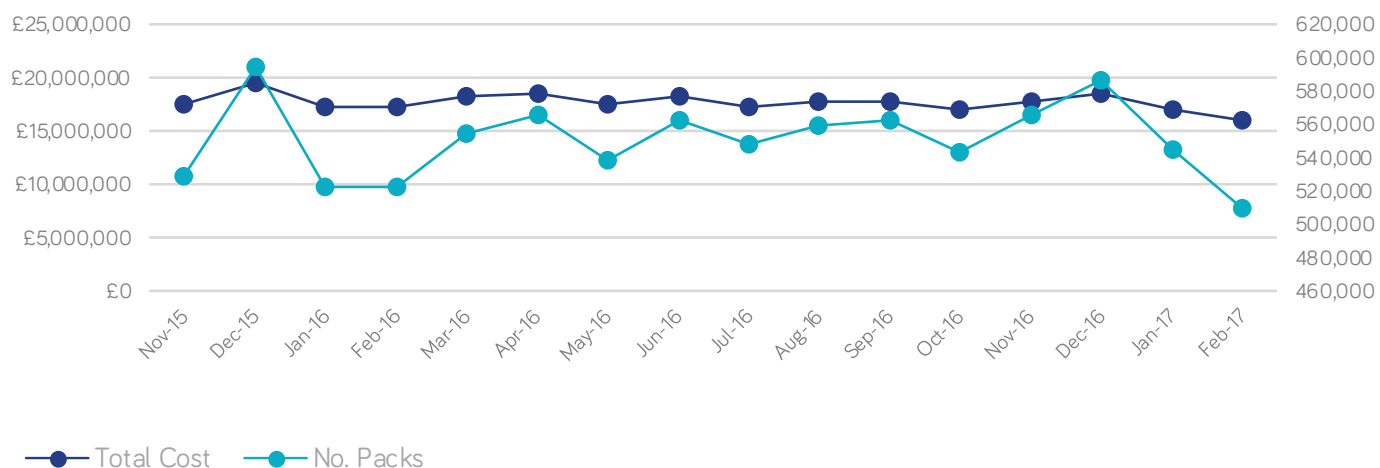
	DRUG	COST	PACKS
	Spiriva	75%	70%
	Spiriva respimat	8%	10%
	Seebri Breezhaler	6%	7%
	Eklira	6%	6%
	Incruse Ellipta	5%	6%
	Braltus Zonda	1%	1%

Cost-Effective Choices

✓ MDI - **Spiriva Respimat (Tiotropium)**

✓ Dry Powder - **Braltus Zonda (Tiotropium bromide)**

COST & PACKS BY MONTH



Background

Long Acting Muscarinic Antagonists currently cost the NHS more than £213 million per annum. There are cost-effective brands available to prescribers. Spiriva Respimat has a list price of £23 and Braltus Zonda is listed at £25.80. These brands offer savings of up to 25% compared to the market leader Spiriva.

The potential Long Acting Muscarinic Antagonists optimisation savings across the NHS is a very significant £47 million.

Cost-effective Choices

Spiriva Respimat (Tiotropium) - £23.00

2.5 mcg inhaler 60dose Pack of 1



Braltus Zonda (Tiotropium bromide) - £25.80

10 mcg inhalation powder capsules with Zonda inhaler Pack of 30



TARIFF PRICE



CCG Potential Annual Savings

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TOP 10 CCGS BY POTENTIAL SAVING



Saving based on optimising to most cost-effective option available

REFERENCE SOURCES

BNF EVIDENCE

<https://www.evidence.nhs.uk/formulary/bnf/current/3-respiratory-system/31-bronchodilators/311-adrenoceptor-agonists/3111-selective-beta2-agonists/indacaterol>

BRITISH THORACIC SOCIETY

www.brit-thoracic.org.uk/standards-of-care

impact500

Surgery	Ref	Age	Gender	Drug	Opt?	Dose	Last Issued	LAMA	COPD	Asthma	Inhaler Tech	Mx	Allergy	Peak Flow	Fev1	FEV1/FVC
	7061563	97	M	Spiriva (Tiotropium)	X	18 mcg refill pack	15/03/2017									
	13452	97	M	Bralva Zonda (Tiotropium bromide)		10 mcg inhalation powder capsules with Zonda Inhaler	07/03/2017							200	1.00	65.00
Inhaler the contents of one capsule once daily at the same time of day																
	7442472	96	F	Spiriva respimat (Tiotropium)		2.5 mcg inhaler 60d	15/03/2017									
	7058691	96	M	Seebri Breechaler (Glycopyrronium Bromide)	X	44 mcg inhalation powder caps	07/03/2017							200		
	17977635	95	F	Spiriva (Tiotropium)	X	18 mcg refill pack	23/02/2017									
	9540104	95	F	Spiriva (Tiotropium)	X	18 mcg refill pack	27/02/2017								1.25	65.79
	3543238	95	M	Spiriva (Tiotropium)	X	18 mcg refill pack	21/03/2017									
	16814782	94	F	Spiriva (Tiotropium)	X	18 mcg refill pack	16/03/2017									
	12082145	94	F	Bralva Zonda (Tiotropium bromide)		10 mcg inhalation powder capsules with Zonda Inhaler	21/03/2017									
Inhaler The Contents Of One Capsule Once Daily At The Same Time Of Day																
	3532229	94	M	Spiriva (Tiotropium)	X	18 mcg refill pack	24/02/2017								1.70	70.54
	15678842	93	M	Spiriva (Tiotropium)	X	18 mcg combopak (with Handihaler)	17/03/2017									

25%

Long Acting Muscarinic Antagonists

Saving

All medicines optimisations have potential risk and therefore it is important to ensure your projects are implemented effectively without compromising patient safety. impact500 is able to filter patients less suitable for an optimisation to ensure validated, safe and effective implementation.

Not only validate the cost-effective medicines optimisation for your organisation but use impact500 to enhance Long Acting Muscarinic Antagonists patient monitoring.



03

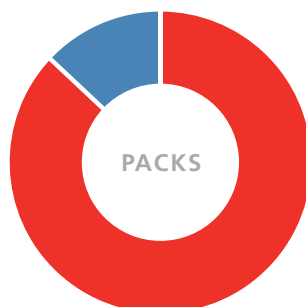
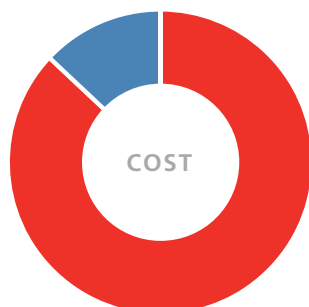
INHALED STEROIDS

TOTAL AVAILABLE ANNUAL NHS SAVINGS

BUDESONIDE DRY POWDER £1,113,999
COMBINATION INHALERS

EDITION TWO

Budesonide Dry Powder Combination Inhalers

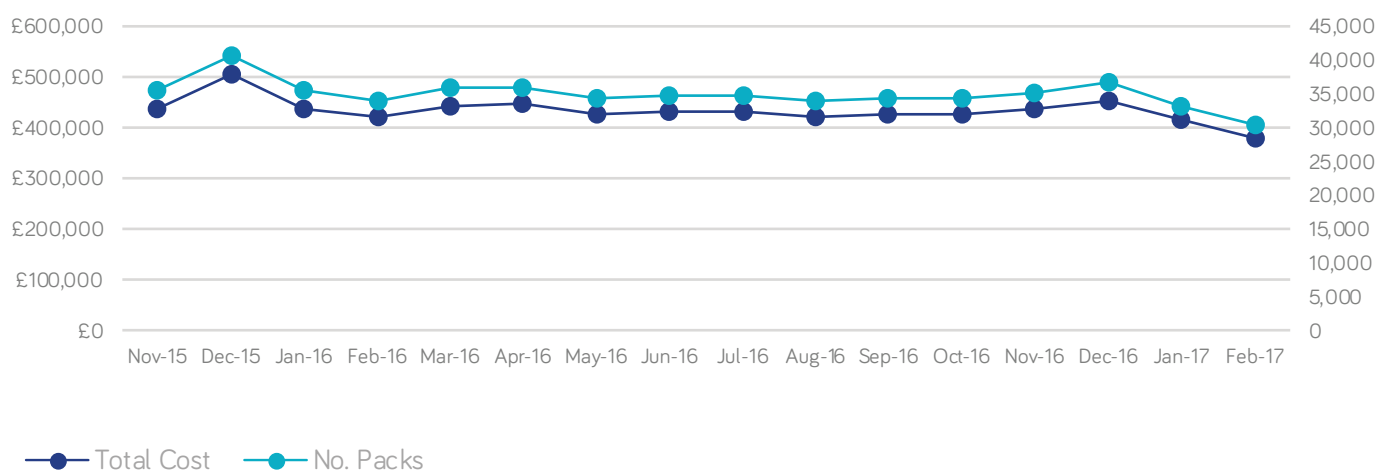


	DRUG	COST	PACKS
	● Pulmicort	87%	88%
	● Easyhaler Budesonide	13%	12%

Cost-Effective Choices

✓ Easyhaler Budesonide

COST & PACKS BY MONTH



Background

The Easyhaler Budesonide range offers a £1.2 million saving for CCGs as an alternative to the Pulmicort Turbohaler range.

It offers either a lower tariff price (100mcg) or twice as many doses (200mcg and 400mcg) in comparison to the Turbohaler equivalent. On a dose for dose basis Easyhaler Budesonide is up to 35% more cost-effective than the equivalent Pulmicort Turbohaler.

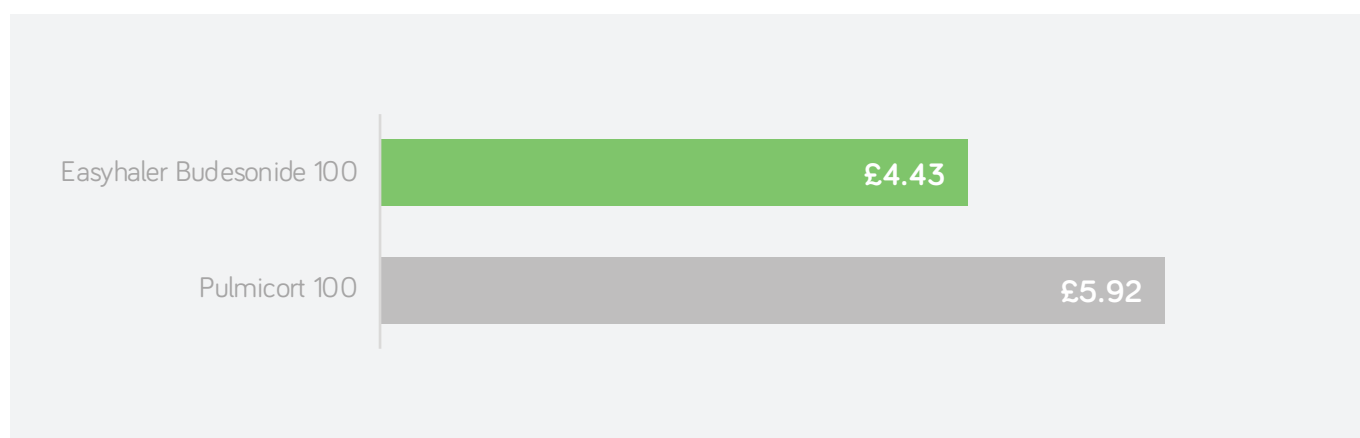


Cost-Effective Choices

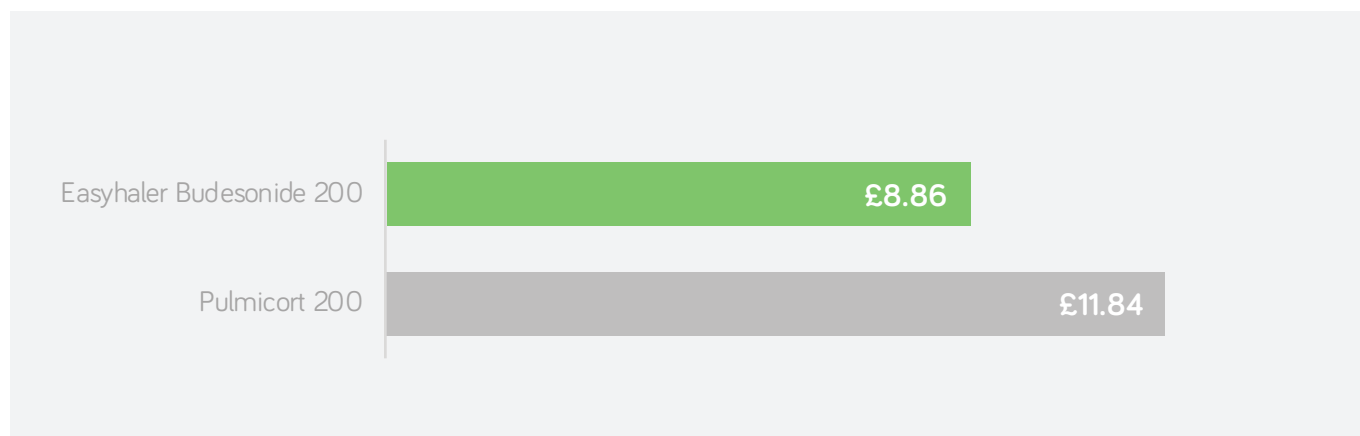
Easyhaler Budesonide



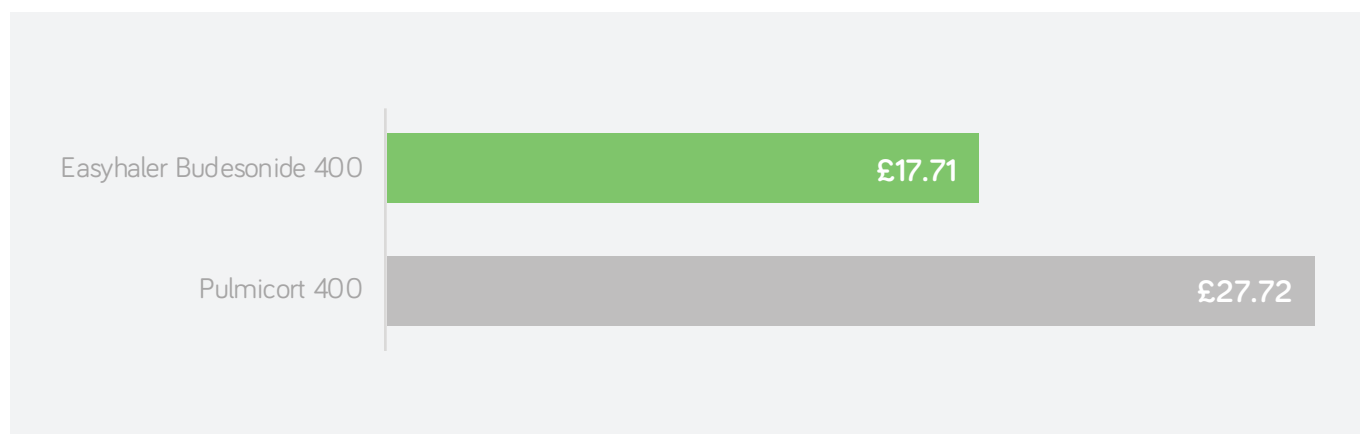
TARIFF PRICE PER 100 DOSES - 100MG



TARIFF PRICE PER 100 DOSES - 200MG



TARIFF PRICE PER 100 DOSES - 400MG

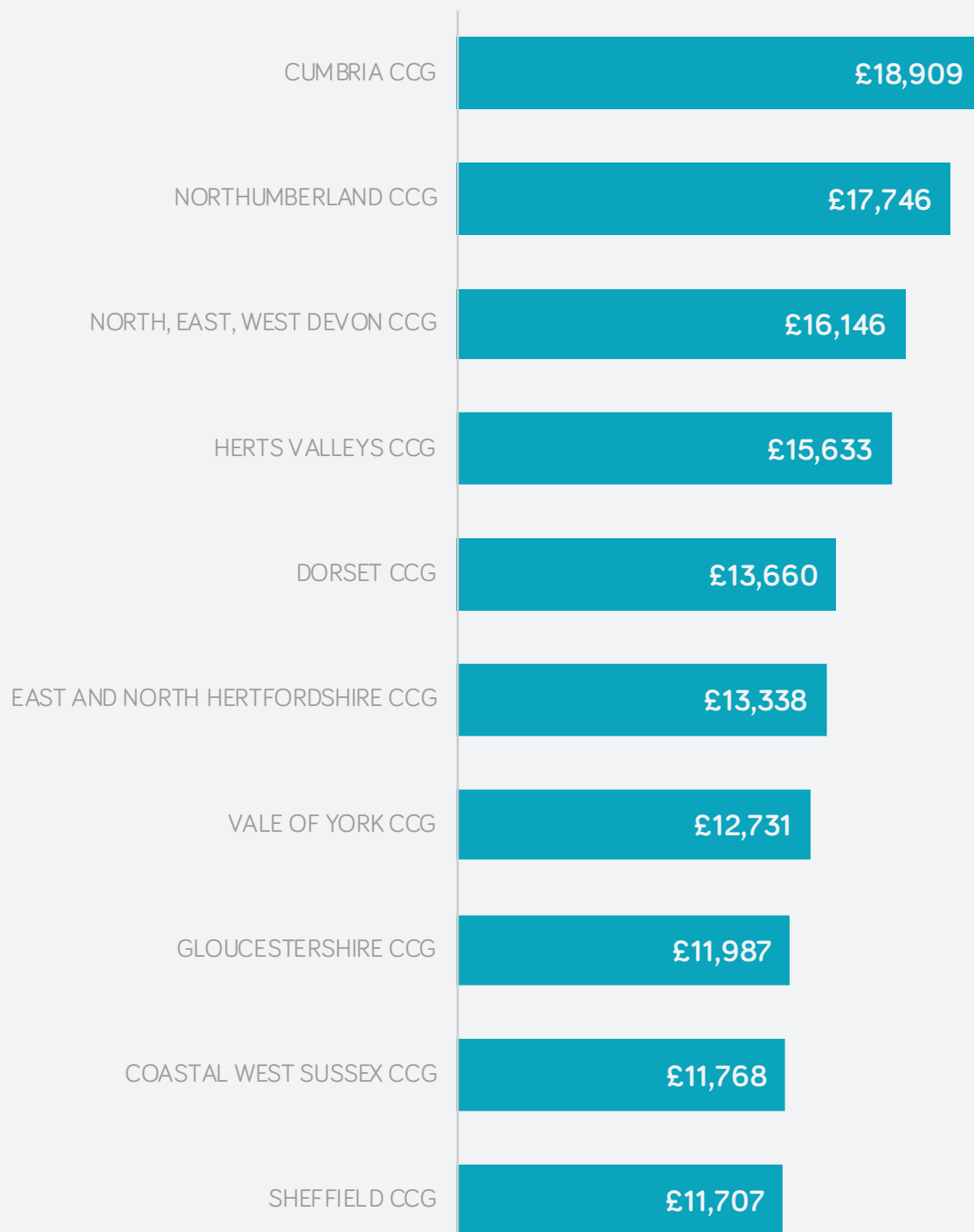


CCG Potential Annual Savings

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TOP 10 CCGS BY POTENTIAL SAVING



Saving based on optimising to most cost-effective option available

REFERENCE SOURCES

BNF EVIDENCE

<https://www.evidence.nhs.uk/formulary/bnf/current/3-respiratory-system/34-antihistamines-hyposensitisation-and-allergic-emergencies/341-antihistamines/sedating-antihistamines/alimemazine-tartrate>

MHRA (Note - this link needs to be copied into your web browser)

http://www.mhra.gov.uk/spc-pil/?IdcService=SS_GET_PAGE&nodeld=%3C%25%3D+nodeld+%25%3E&searchFiled=phenergan&SubmitSearch=Search

impact500

Surgery	Ref	Age	Gender	Drug	Optf	Dose	Last issued	LABA	COPD	Asthma	Inhaler Tech	Nut Allergy	Peak Flow	Fev1	FEV1/FVC
	7566048	21	M	Vallegran (Alimemazine)	X	10 mg Tab	27/02/2017	X	X	X	X	X	X		
Two To Be Taken At Night															
	18809	79	F	Phenergan (Promethazine)	✓	25 mg tab	14/03/2017	X	X	X	X	X	X		
take one at night															
	19676	55	F	Phenergan (Promethazine)	✓	25 mg tab	14/03/2017	X	X	X	X	X	X		
take two tablets at night															
	19699	70	F	Phenergan (Promethazine)	✓	25 mg tab	21/02/2017	X	X	X	X	X	X		
One To Be Taken At Night															
	19801	67	F	Phenergan (Promethazine)	✓	25 mg tab	22/03/2017	X	X	✓	X	X	X	350	12/11/2008
take two tablets at night															
	62519	51	F	Phenergan (Promethazine)	✓	25 mg tab	20/03/2017	X	X	X	X	X	X		
ONE TO BE TAKEN FOUR TIMES A DAY															
	87645	11	M	Phenergan (Promethazine)	✓	10 mg tab	10/03/2017	X	X	X	X	X	X		
one to be taken at night time to aid sleep (as per Thurlow House advice)															
	440439	43	M	Phenergan (Promethazine)	✓	25 mg tab	03/03/2017	X	X	✓	✓	X	X	150	18/09/2013
take two tablets at night															
	441080	42	M	Phenergan (Promethazine)	✓	25 mg tab	28/02/2017	X	X	✓	✓	X	X		
take two tablets at night															
	441179	50	F	Phenergan (Promethazine)	✓	25 mg tab	22/03/2017	X	X	X	X	X	X		
One - Two To Be Taken At Night															
	441931	19	F	Phenergan (Promethazine)	✓	25 mg tab	15/02/2017	X	X	X	X	X	X		

up to
35%
Saving

All medicines optimisations have potential risk and therefore it is important to ensure your projects are implemented effectively without compromising patient safety. impact500 is able to filter patients less suitable for an optimisation to ensure validated, safe and effective implementation.



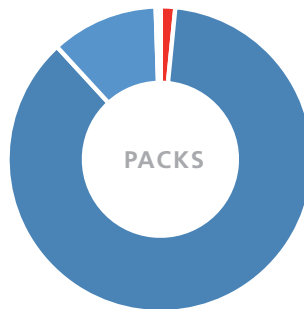
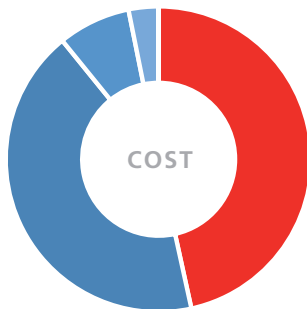
04

ORAL STEROIDS

TOTAL AVAILABLE NHS SAVINGS IN THIS EDITION
PREDNISOLONE SOLUBLE TABLET DEPRESCRIBING
£7,630,593

EDITION TWO

Prednisolone

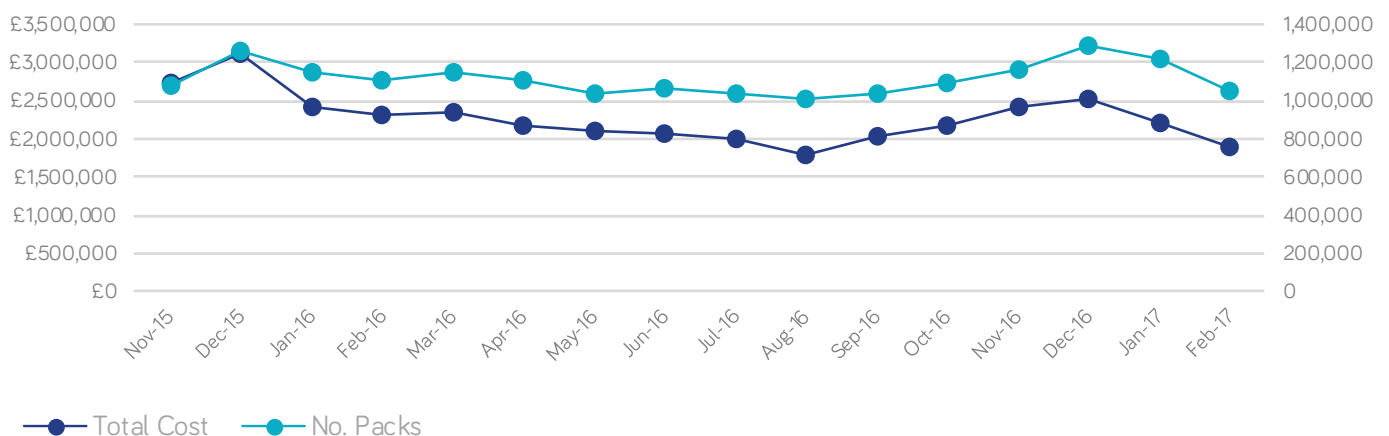


	DRUG	COST	PACKS
	Prednisolone Soluble	47%	2%
	Prednisolone Tablet	43%	87%
	Prednisolone E/C Tab	8%	11%
	Prednisolone 5mg/5ml Oral Solution	3%	0%

Cost-Effective Choices

✓ **Standard Prednisolone Tablets**
or when alternative required due to swallowing issues or compliance requirements
Prednisolone 5mg/5ml oral solution

COST & PACKS BY MONTH



Prescribing Alert

Prednisolone 5mg Soluble Tablets price continues to escalate, with the 5mg dose costing seven times that of the standard preparation. Prednisolone 5mg/5ml Oral Solution is a sensible formulary choice for NHS prescribers.

Prednisolone 5mg/5ml oral solution provides a more cost-effective method of administering prednisolone to individuals that struggle to swallow tablets.

PRICE ALERT! Medicine to be stopped

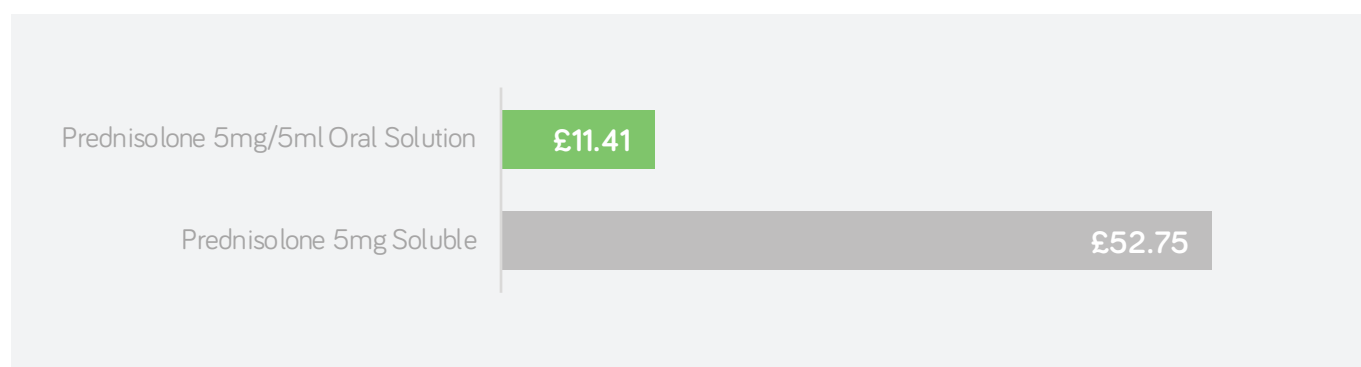
Prednisolone 5mg Soluble Tablets - £52.75

Cost-Effective Choice

Prednisolone 5mg/5ml oral solution - £11.41



TARIFF PRICE



National ePACT prescribing data analysis indicates that the average monthly prescription cost of Prednisolone 5mg/5ml oral solution is £22. This represents a 50% saving for the NHS when utilised as an alternative to Prednisolone 5mg Soluble Tablets.

CCG Potential Annual Savings

Realise the potential for your CCG by utilising your free CCG impact500 interface.

Please use the contact details within the email to request your impact500 interface access.

TOP 10 CCGS BY POTENTIAL SAVING



Saving based on optimising to most cost-effective option available

REFERENCE SOURCES

BNF EVIDENCE

<https://www.evidence.nhs.uk/formulary/bnf/current/6-endocrine-system/63-corticosteroids/632-glucocorticoid-therapy/prednisolone>

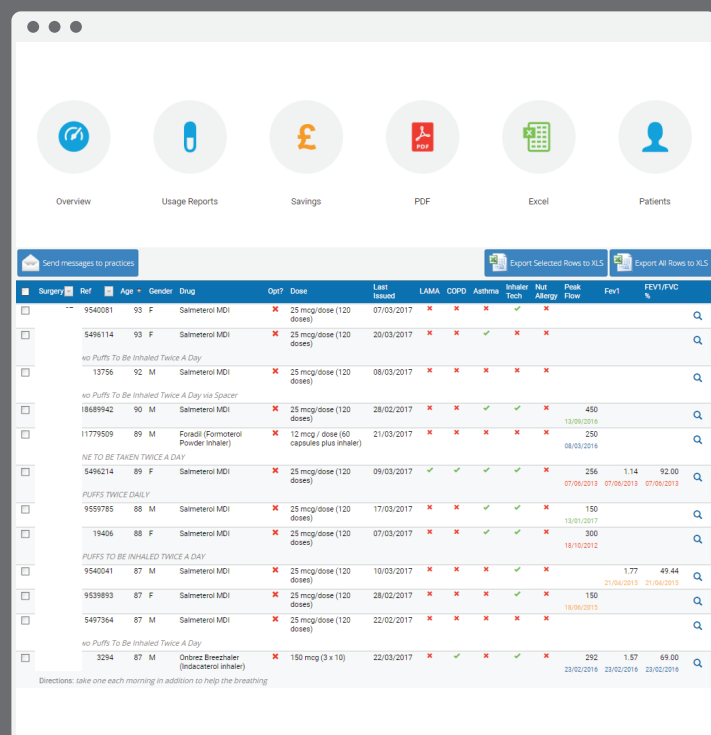
BRITISH THORACIC SOCIETY

www.brit-thoracic.org.uk/standards-of-care

MHRA (Note - this link needs to be copied into your web browser)

http://www.mhra.gov.uk/spc-pil/?IdcService=SS_GET+nodetd+%25%3E&searchFiled=PREDNISOLONE+10MG%2F+ORAL+SOLUTION&SubmitSearch=Search#retainDisplay

impact500



The screenshot shows the impact500 web application interface. At the top, there are six icons representing different features: Overview, Usage Reports, Savings, PDF, Excel, and Patients. Below these icons is a table of patient data. The table has columns for Surgery, Ref, Age, Gender, Drug, Opt?, Dose, Last issued, LAMA, COPD, Asthma, Inhaler Tech, Nut Allergy, Peak Flow, Fex1, and FEV1/FVC. The table lists several patients, including those with Salmeterol MDI and Formoterol Powder Inhaler. The interface also includes a search bar and a 'Send messages to practices' button.

Surgery	Ref	Age	Gender	Drug	Opt?	Dose	Last issued	LAMA	COPD	Asthma	Inhaler Tech	Nut Allergy	Peak Flow	Fex1	FEV1/FVC
	9540081	93	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	07/05/2017	X	X	X	X	X			
	5496114	93	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	20/03/2017	X	X	X	X	X			
	13756	92	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	08/03/2017	X	X	X	X	X			
	18689942	90	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	28/02/2017	X	X	X	X	X	450		
	11779509	89	M	Formoterol Powder Inhaler	X	12 mcg / dose (60 capsules plus inhaler)	21/03/2017	X	X	X	X	X	250		
	5496214	89	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	09/03/2017	X	X	X	X	X	256	1.14	92.00
	9597985	88	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	17/03/2017	X	X	X	X	X	150		
	19406	88	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	07/03/2017	X	X	X	X	X	300		
	9540041	87	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	10/03/2017	X	X	X	X	X	1.77	49.44	
	9539893	87	F	Salmeterol MDI	X	25 mcg/dose (120 doses)	28/02/2017	X	X	X	X	X	150		
	5497364	87	M	Salmeterol MDI	X	25 mcg/dose (120 doses)	22/02/2017	X	X	X	X	X			
	3294	87	M	Orbizen Breezhaler (Indacaterol inhaler)	X	150 mcg (3 x 10)	22/03/2017	X	X	X	X	X	292	1.57	69.00

Enabling Savings
for the NHS

£40
per pack

All medicines optimisations have potential risk and therefore it is important to ensure your projects are implemented effectively without compromising patient safety. impact500 is able to filter patients less suitable for an optimisation to ensure validated, safe and effective implementation.



05

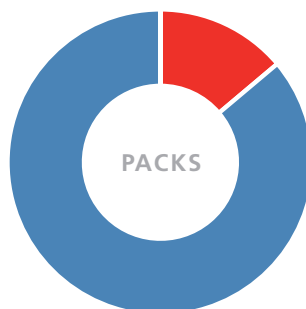
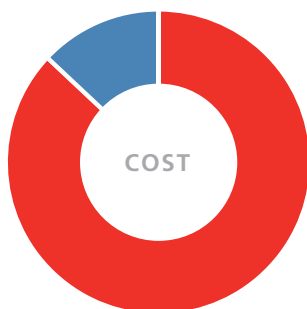
ANTIHISTAMINES

TOTAL AVAILABLE ANNUAL NHS SAVINGS

Alimemazine £17,520,583

EDITION TWO

Alimemazine Tablets

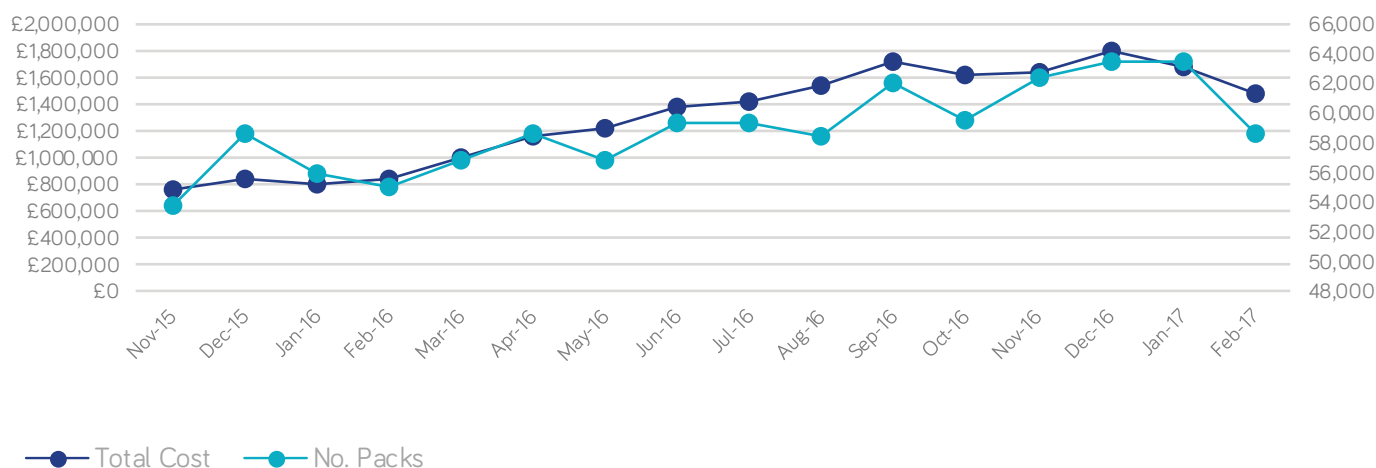


DRUG	COST	PACKS
Alimemazine	86%	14%
Phenergan	14%	86%

Cost-Effective Choices

✓ Phenergan

COST & PACKS BY MONTH



Background

The deprescribing of Alimemazine has the potential to save over £1,000 per patient in 2017 within your CCG.

The withdrawal of Vallergran as a brand has enabled the suppliers of Alimemazine to increase the price to an astonishing £112.85 per pack. The result is a spend of over a £1million per month (27% of the entire market) on a drug that accounts for less than 1% of the market.

Alimemazine price as Vallerган	£4.28
for 28 tablets	
Alimemazine price as Generic	£112.85
for 28 tablets	

Cost-effective Choices

Cetirizine
Loratadine
Chlorphenamine

Drugs to be stopped:

Alimemazine

LOW DOSE

Phenergan 5 mg/5ml sugar free	£2.85
Vallerган 7.5 mg / 5ml Syrup*	£4.88
Alimemazine 7.5 mg/5ml oral solution	£179.54

MEDIUM DOSE

Phenergan 10 mg tab	£2.96
Vallerган 10 mg Tab*	£4.28
Alimemazine 10 mg tab	£112.85

HIGH DOSE

Phenergan 25 mg tab	£4.65
Vallerган 30 mg / 5ml Syrup FORTE*	£7.55
Alimemazine 30 mg/5ml oral solution	£243.51

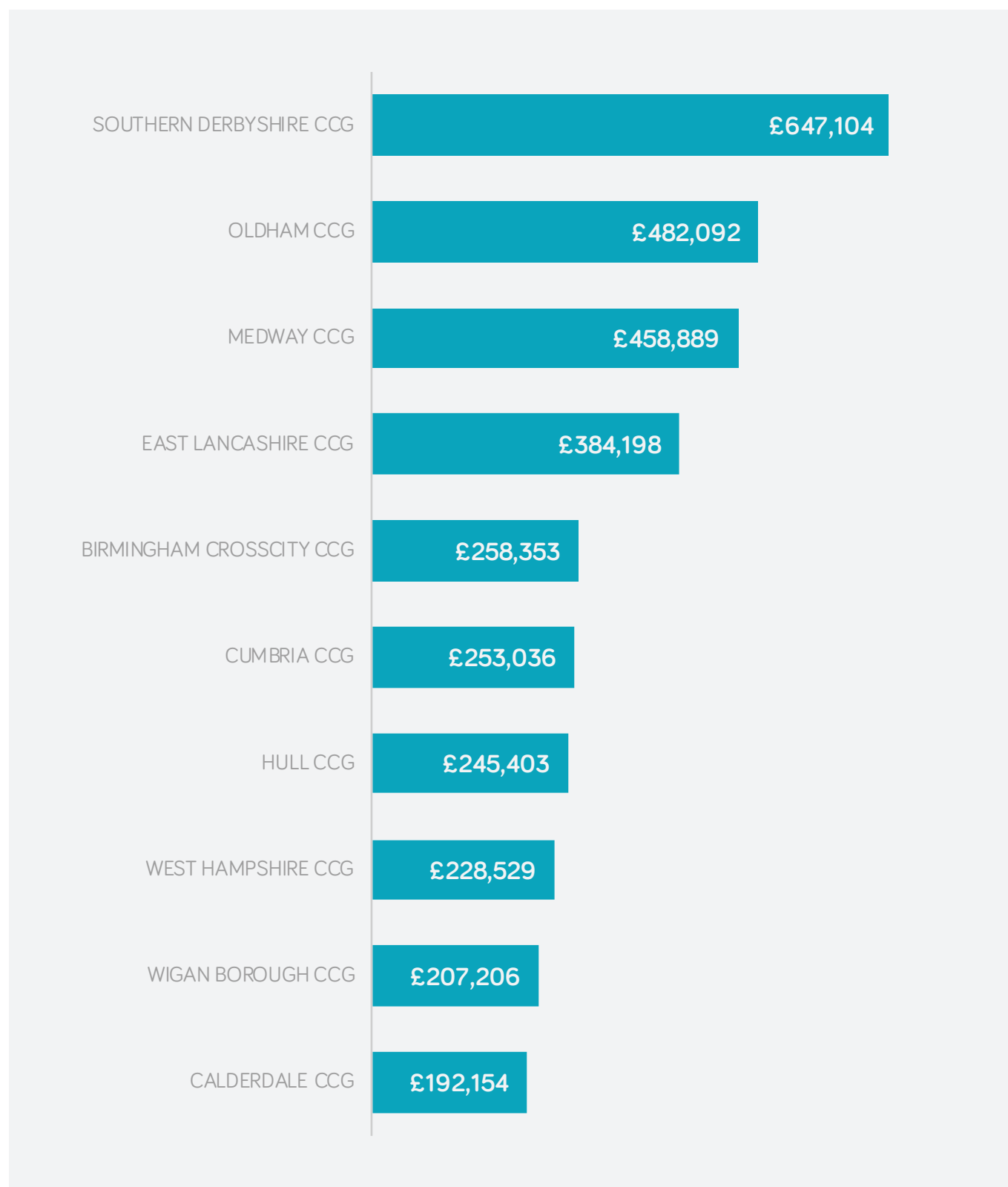
*No longer available

CCG Potential Annual Spend

Realise the potential for your CCG by utilising your free CCG impact500 interface.

Please use the contact details within the email to request your impact500 interface access.

TOP 10 CCGS BY POTENTIAL SAVING



REFERENCE SOURCES

BNF EVIDENCE

<https://www.evidence.nhs.uk/formulary/bnf/current/3-respiratory-system/34-antihistamines-hyposensitisation-and-allergic-emergencies/341-antihistamines/sedating-antihistamines/alimemazine-tartrate>

MHRA (Note - this link needs to be copied into your web browser)

http://www.mhra.gov.uk/spc-pil/?IdcService=SS_GET_PAGE&nodeld=%3C%25%3D+nodeld+%25%3E&searchFiled=phenergan&SubmitSearch=Search

impact500

Overview

Usage Reports

Savings

PDF

Excel

Patients

Send messages to practices

Export Selected Rows to XLS

Export All Rows to XLS

Surgery	Ref	Age	Gender	Drug	Optf	Dose	Last Issued	LABA	COPD	Asthma	Inhaler Tech	Nut Allergy	Peak Flow	Fev1	FEV1/FVC
	7566048	21	M	Vallergan (Alimemazine)	X	10 mg Tab	27/02/2017	X	X	X	X	X			
Two To Be Taken At Night															
	18809	79	F	Phenergan (Promethazine)	✓	25 mg tab	14/03/2017	X	X	X	X	X			
take one at night															
	19676	55	F	Phenergan (Promethazine)	✓	25 mg tab	14/03/2017	X	X	X	X	X			
take two tablets at night															
	19699	70	F	Phenergan (Promethazine)	✓	25 mg tab	21/02/2017	X	X	X	X	X			
One To Be Taken At Night															
	19801	67	F	Phenergan (Promethazine)	✓	25 mg tab	22/03/2017	X	X	✓	X	X	350		
take two tablets at night															
	62519	51	F	Phenergan (Promethazine)	✓	25 mg tab	20/03/2017	X	X	X	X	X			
ONE TO BE TAKEN FOUR TIMES A DAY															
	87645	11	M	Phenergan (Promethazine)	✓	10 mg tab	10/03/2017	X	X	X	X	X			
one to be taken at night time to aid sleep (as per Thurlow House advice)															
	440439	43	M	Phenergan (Promethazine)	✓	25 mg tab	03/03/2017	X	X	✓	✓	X	150		
take two tablets at night															
	441080	42	M	Phenergan (Promethazine)	✓	25 mg tab	28/02/2017	X	X	✓	✓	X			
take two tablets at night															
	441179	50	F	Phenergan (Promethazine)	✓	25 mg tab	22/03/2017	X	X	X	X	X			
One - Two To Be Taken At Night															
	441931	19	F	Phenergan (Promethazine)	✓	25 mg tab	15/02/2017	X	X	X	X	X			

Directions: One To Be Taken At Night

99%
Alimemazine Deprescribing
Saving

All medicines optimisations have potential risk and therefore it is important to ensure your projects are implemented effectively without compromising patient safety. impact500 is able to filter patients less suitable for an optimisation to ensure validated, safe and effective implementation.



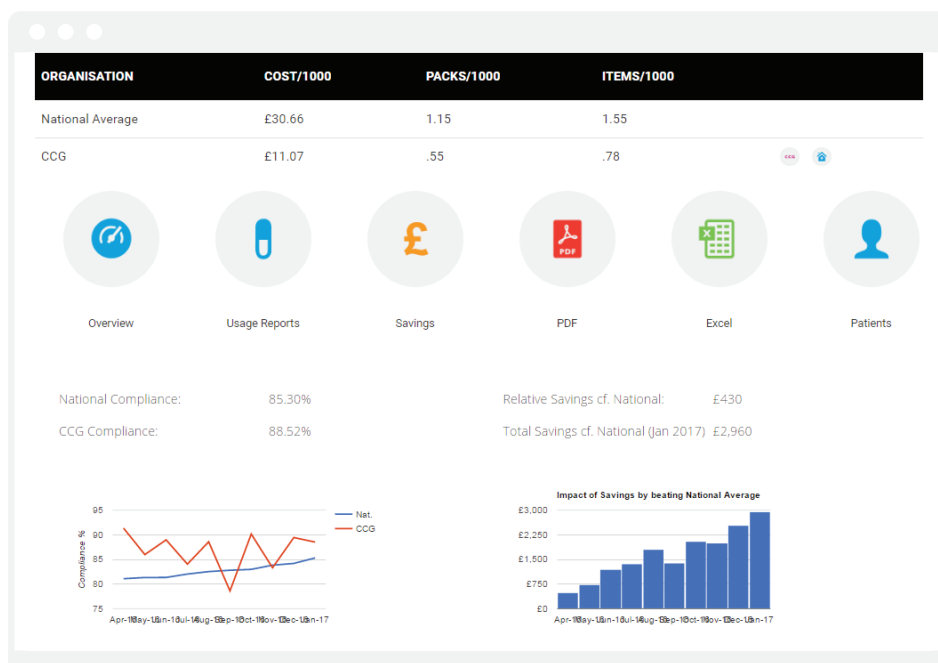
06

impact500

SYSTEM FEATURES

EDITION TWO

System Features



TRACKING AND MONITORING DELIVERY

impact500 will continually track project compliance with your priority projects and optimisations. It also tracks the savings made at practice, Federation or CCG level and compares these relative to national performance.

The table displays patient data with columns: Surgery, Ref, Age, Gender, Drug, Opt?, Dose, Last Issued, BP Sys, BP Dia, eGFR, Hb (g/dl), ALT, Cholesterol, Neutrophil, HbA1c. It includes a search bar and export options.

Surgery	Ref	Age	Gender	Drug	Opt?	Dose	Last Issued	BP Sys	BP Dia	eGFR	Hb (g/dl)	ALT	Cholesterol	Neutrophil	HbA1c
<input type="checkbox"/>	13859	100	F	Detrusitol (Tolterodine)	✗	2 mg tab	10/03/2017	130	60	52	13.9	13.0	6.0	6.85	39
One To Be Taken Twice A Day															
<input type="checkbox"/>	22031	98	F	Emselex (Darifenacin Tablet)	✗	15 mg tab	06/03/2017	146	66	67	11.9	6.0	5.3	3.82	
One To Be Taken Each Day															
<input type="checkbox"/>	22031	98	F	Oxybutynin	✓	2.5 mg tab	13/02/2017	146	66	67	11.9	6.0	5.3	3.82	
One To Be Taken Twice Daily															
<input type="checkbox"/>	11777133	97	M	Oxybutynin	✓	5 mg tab	15/03/2017	110	80	70	13.5	19.0	4.3	7.74	
One To Be Taken Three Times A Day for bladder															
<input type="checkbox"/>	10178592	97	F	Vesicare (Solifenacin)	✗	5 mg tab	22/02/2017	107	49	40	10.8	12.0	4.4	6.54	
<input type="checkbox"/>	21399	97	F	Betmiga (mirabegron)	✗	25 mg	02/03/2017	148	84	41	12.3	13.0	3.9	3.59	43
One To Be Taken Each Day															
<input type="checkbox"/>	11506705	96	F	Vesicare (Solifenacin)	✗	5 mg tab	28/02/2017	136	76	44	10.6	10.0		3.23	38
<input type="checkbox"/>	9541228	96	F	Vesicare (Solifenacin)	✗	10 mg tab	23/02/2017	107	52	55	8.5	7.0	5.1	4.53	39
<input type="checkbox"/>	9539974	96	F	Tolterodine	✓	2 mg tab	15/03/2017	138	80	54	14.8	16.0	4.0	3.89	40
<input type="checkbox"/>	7442564	96	F	Tolterodine	✓	1 mg tab	10/03/2017	92	60	82	12.7	13.0	3.3	8.26	
<input type="checkbox"/>	3579153	96	F	Kentera (Oxybutynin)	✗	3.9 mg / 24hr	16/03/2017	137	79	60	11.3	14.0	4.3	5.92	

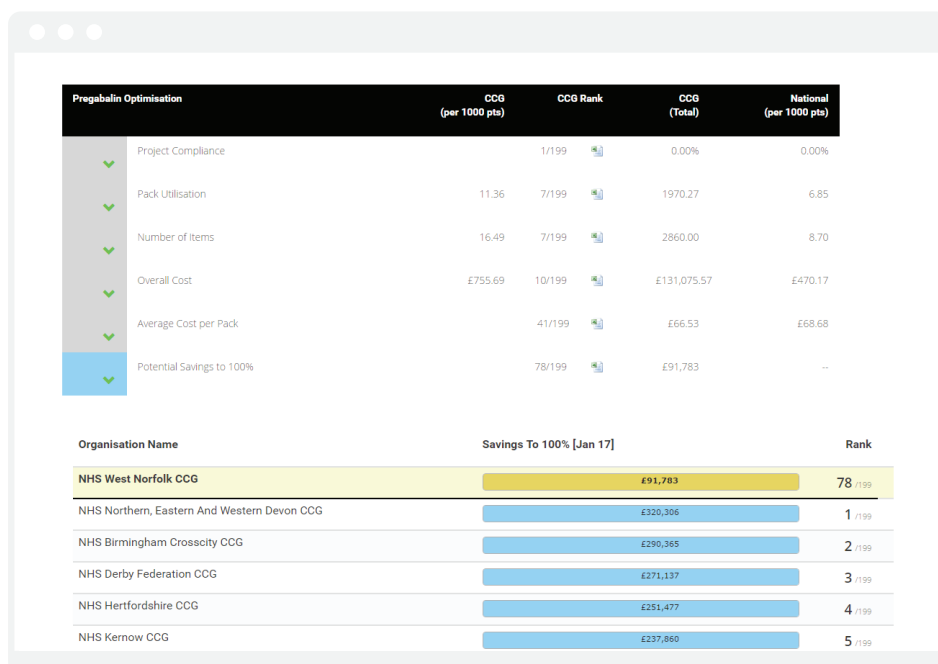
SAFE AND APPROPRIATE OPTIMISATIONS

impact500 instantly identifies the patients in need of optimisation and provides the Prescriber with the essential clinical information needed to ensure effective, safe and appropriate optimisations.

This ensures that the right patients get onto the right drug with minimal workload for the end user.

impact500 empowers Medicine Management Teams and enables GP Practices to deliver medicine optimisation excellence.

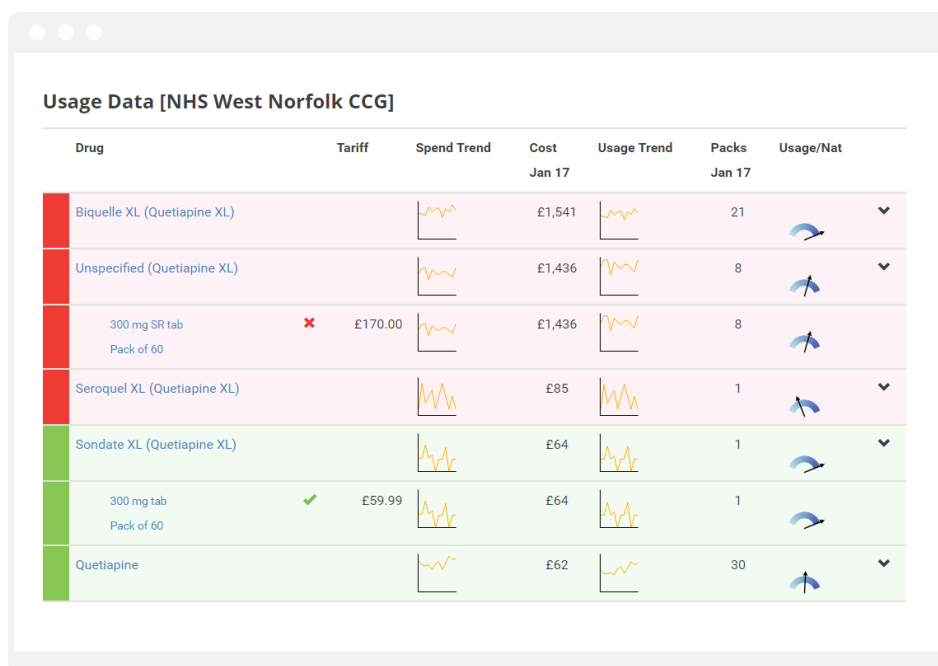
*impact500 integrates with Prescribing Services Radar interface to complete the implementation link to patients.



PREScribing REPORT - AVERAGE COST PER PACK

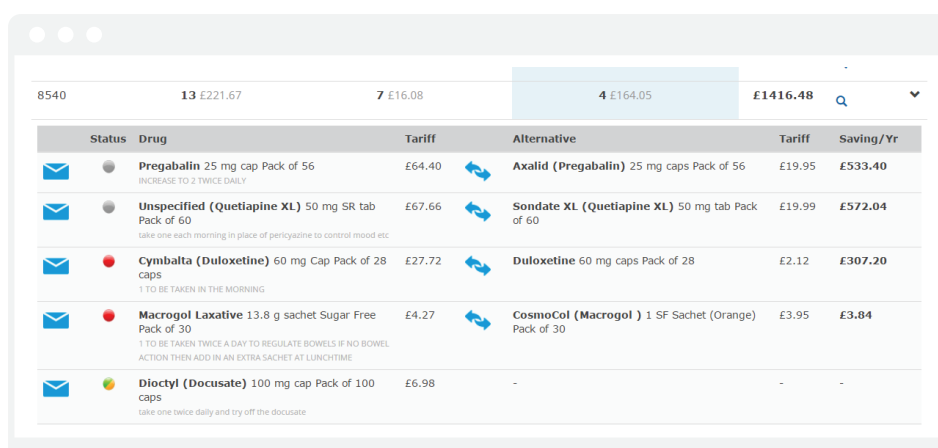
A key feature of impact500 is the ability to compare CCG prescribing performance.

This level of analysis and clarity enables validation of existing best practice and allows dramatic improvements across CCGs.



USAGE REPORTS

Every NHS Organisations prescribing habits are captured and presented to allow trend analysis and comparison to national. The prescribing information can be viewed at both drug and dose level.



SWITCHES

impact500 supports specific switches from one agent to another. It will validate the potential savings and track implementation. This specific switch capability compliments the broader optimisation functionality.

To access your impact500 interface to enable rapid and effective implementation of the highlighted medicines optimisation projects or request additional support please follow the link to our enquiries form.

Enquiries Link

www.ccgprescriber.org



Appendix 1

COST-EFFECTIVE INHALER CHOICES

EDITION TWO

COST-EFFECTIVE INHALER CHOICES

COST-EFFECTIVE SHORT ACTING BETA2 AGONISTS

Name	Drug Name	Formulation	Strength	Dose	Tariff Cost
Generic Salbutamol MDI	Salbutamol	MDI	100mcg	200	£1.50
Easyhaler Salbutamol	Salbutamol	Dry Powder	100mcg	200	£3.31

COST-EFFECTIVE LONG ACTING BETA2 AGONISTS

Name	Drug Name	Formulation	Strength	Dose	Tariff Cost
Soltel	Salmeterol Xinafoate	MDI	25mcg	120	£19.95
Easyhaler Formoterol	Formoterol	Dry Powder	12mcg	120	£23.75

COST-EFFECTIVE SALMETEROL / FLUTICASONE MDIs

Name	Drug Name	Formulation	Strength	Dose	Tariff Cost
Sereflo	Salmeterol / Fluticasone	MDI	25 mcg/125mcg	120	£23.50
Sereflo	Salmeterol / Fluticasone	MDI	25 mcg/250mcg	120	£39.95

OTHER COST-EFFECTIVE LONG ACTING BETA2 AGONISTS/CSI INHALERS

Name	Drug Name	Formulation	Strength	Dose	Tariff Cost
Fostair	Formoterol / Beclomethasone	MDI	100mcg/6mcg	120	£29.32
Fostair	Formoterol / Beclomethasone	MDI	200mcg/6mcg	120	£29.32
Seretide Evohaler	Salmeterol / Fluticasone	MDI	50mcg/25mcg	120	£18.00
Flutiform	Fluticasone / Formoterol	MDI	50mcg/5mcg	120	£14.40

COST-EFFECTIVE HIGH DOSE STEROID/LONG ACTING BETA2 AGONISTS DRY POWDER INHALERS

Name	Drug Name	Formulation	Strength	Dose	Tariff Cost
Fostair NEXThaler	Beclomethasone / Formoterol	Dry Powder	200 mcg/6 mcg	120	£29.32
Duoresp Spiromax	Budesonide / Formoterol	Dry Powder	320 mcg/9 mcg	60	£29.97

COST-EFFECTIVE LONG-ACTING MUSCARINIC ANTAGONISTS

Name	Drug Name	Formulation	Strength	Dose	Tariff Cost
Spiriva Respimat	Tiotropium	MDI	2.5mcg	60	£23.00
Braltus Zonda	Tiotropium Bromide	Powder Caps	10mcg	Pack of 30	£25.80



Appendix 2

OTHER RESPIRATORY CATEGORY AREAS – MARKET ANALYSIS

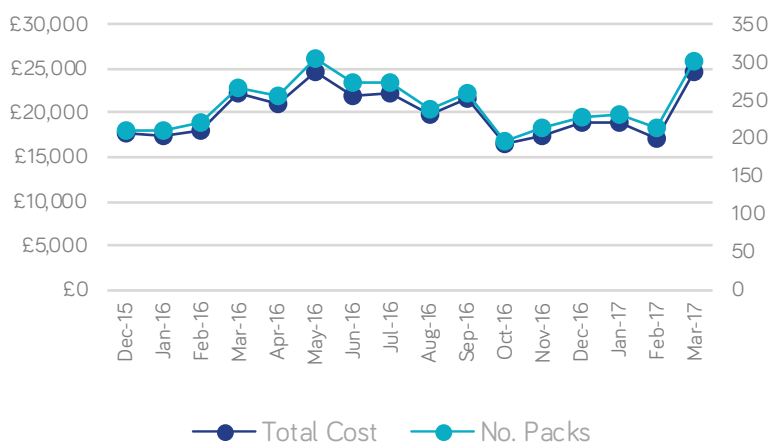
EDITION TWO

Allergen Immunotherapy

CLASS SUMMARY

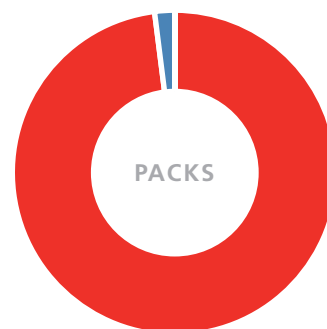
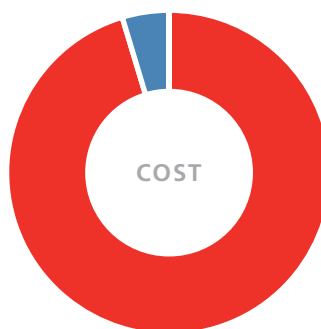
RANK	297
COST TO NHS IN MARCH 2017	£24,735
COST TO NHS IN 2016	£240,967
PACKS PRESCRIBED IN 2016	2,946
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
● Grazax	95%	98%
● Xolair	5%	2%



TOP DRUGS IN SUB-PARAGRAPH

DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Grass Pollen Extract (Grazax)	£23,582	294
Omalizumab (Xolair)	£1,153	6
TOTAL	£24,735	300

Allergic Emergencies

CLASS SUMMARY

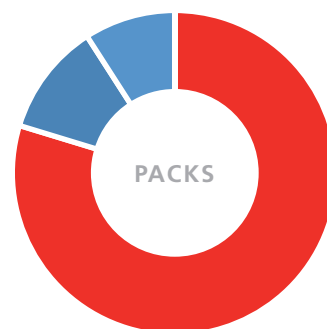
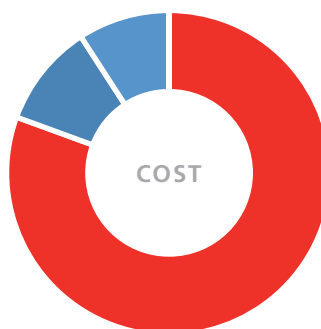
RANK	91
COST TO NHS IN MARCH 2017	£1,634,060
COST TO NHS IN 2016	£16,676,142
PACKS PRESCRIBED IN 2016	636,077
% OF TOTAL COST TO NHS (2016)	0.2%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Epipen	81%	80%
Jext	10%	11%
Emerade	9%	9%



TOP DRUGS IN SUB-PARAGRAPH

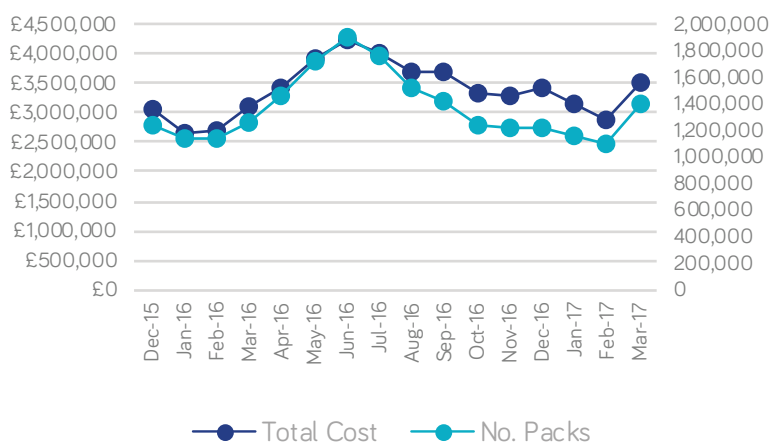
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Adrenaline Injection (Epipen)	£1,316,681	49,780
Adrenaline Injection (Jext)	£168,052	6,997
Adrenaline (base) solution for injection pre-filled disposable devices (Emerade)	£149,083	5,665
Adrenaline (base) (Emerade)	£244	10
TOTAL	£1,634,060	62,452

Antihistamines

CLASS SUMMARY

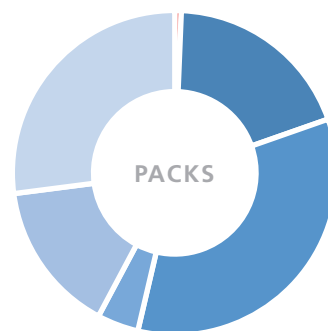
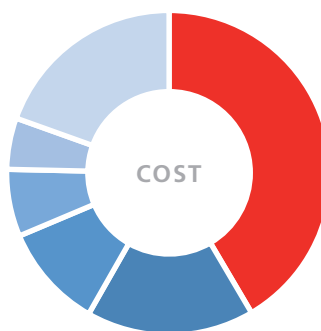
RANK	53
COST TO NHS IN MARCH 2017	£3,507,894
COST TO NHS IN 2016	£41,526,602
PACKS PRESCRIBED IN 2016	17,007,043
% OF TOTAL COST TO NHS (2016)	0.5%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Alimemazine	42%	1%
Fexofenadine	17%	19%
Cetirizine	10%	34%
Phenergan	7%	4%
Loratadine Tablets	5%	15%
Other	20%	27%



TOP DRUGS IN SUB-PARAGRAPH

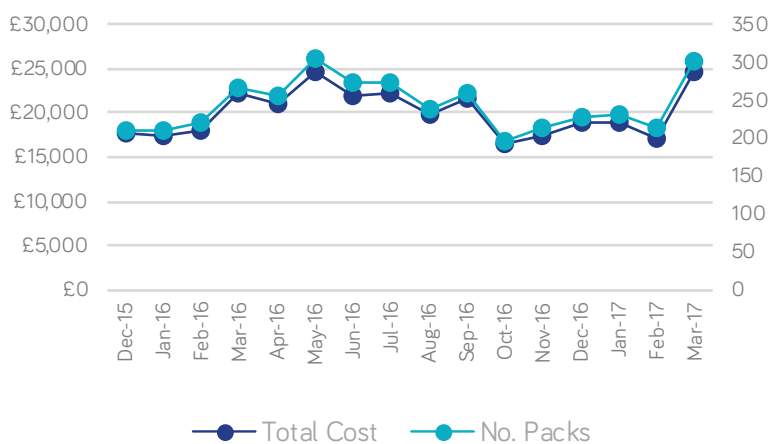
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Alimemazine	£1,456,215	9,098
Fexofenadine	£586,237	267,327
Cetirizine	£365,036	478,968
Promethazine (Phenergan)	£234,804	58,073
Loratadine Tablets	£179,571	213,596
Chlorphenamine	£102,688	39,193
Cetirizine Solution	£85,799	55,211
Acrivastine Capsules (Benadryl Allergy Relief)	£85,425	29,559
Chlorphenamine Tablet	£78,314	103,055
Levocetirizine	£55,047	12,596
TOTAL	£3,229,135	1,266,675

Antimuscarinic Bronchodilators

CLASS SUMMARY

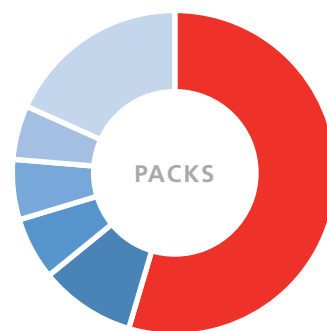
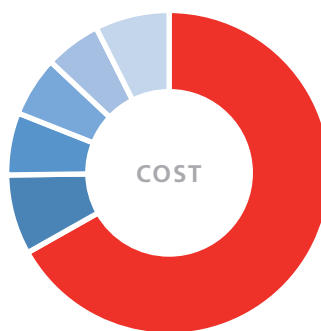
RANK	7
COST TO NHS IN MARCH 2017	£19,046,453
COST TO NHS IN 2016	£221,835,007
PACKS PRESCRIBED IN 2016	7,872,277
% OF TOTAL COST TO NHS (2016)	2.6%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Spiriva	67%	55%
Spiriva respimat	8%	10%
Incruse Ellipta	6%	6%
Seebri Breezhaler	6%	6%
Eklira	6%	5%
Other	7%	18%



TOP DRUGS IN SUB-PARAGRAPH

DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Tiotropium (Spiriva)	£12,727,095	377,773
Tiotropium (Spiriva respimat)	£1,517,632	65,984
Umeclidinium bromide dry powder inhaler (Incruse Ellipta)	£1,183,463	43,035
Glycopyrronium Bromide (Seebri Breezhaler)	£1,141,637	41,514
Acridinium Bromide (Eklira)	£1,066,151	37,279
Tiotropium bromide (Braltus Zonda)	£565,252	21,909
Acridinium bromide / Formoterol (Duaklir)	£406,575	10,425
Ipratropium Bromide MDI (Atrovent)	£271,712	48,869
Ipratropium Nebuliser Solution	£119,750	38,629
Ipratropium Nebuliser Solution (Ipratropium Steri-nebs)	£24,901	1,855
TOTAL	£19,024,167	687,273

Aromatic Inhalations

CLASS SUMMARY

RANK	354
COST TO NHS IN MARCH 2017	£1,087
COST TO NHS IN 2016	£14,840
PACKS PRESCRIBED IN 2016	10,330
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Menthol and Eucalyptus Inhalation	94%	99%
Benzoin tincture	6%	1%



TOP DRUGS IN SUB-PARAGRAPH

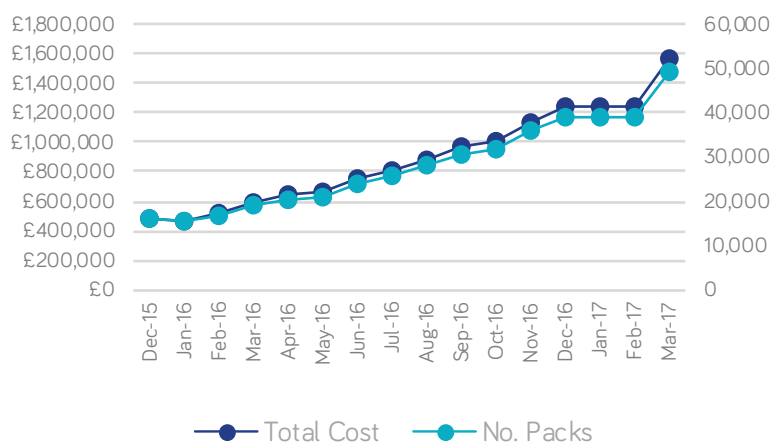
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Menthol and Eucalyptus Inhalation	£1,023	752
Benzoin tincture	£64	5
TOTAL	£1,087	757

Compound Bronchodilator Preparations

CLASS SUMMARY

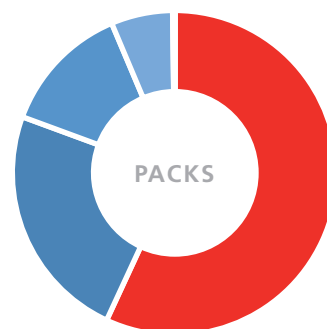
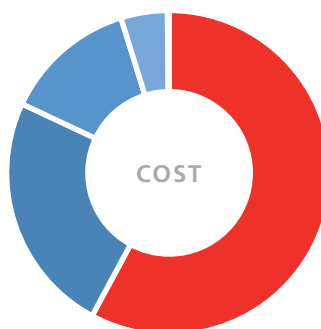
RANK	92
COST TO NHS IN MARCH 2017	£1,564,323
COST TO NHS IN 2016	£9,681,107
PACKS PRESCRIBED IN 2016	307,688
% OF TOTAL COST TO NHS (2016)	0.1%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Anoro Ellipta	58%	57%
Ultibro Breezhaler	24%	24%
Spiolto Respimat	13%	13%
Combivent UDV	5%	6%
Ipramol	0%	0%



TOP DRUGS IN SUB-PARAGRAPH

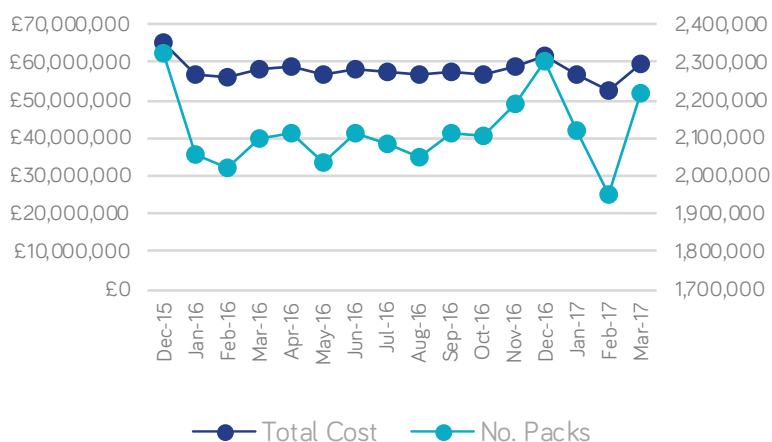
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Umeclidinium bromide / Vilanterol (Anoro Ellipta)	£905,093	27,852
Indacaterol/glycopyrronium inhalation powder capsules with device (Ultibro Breezhaler)	£377,321	11,610
Tiotropium bromide / Olodaterol inhaler (Spiolto Respimat)	£206,923	6,382
Ipratropium - Salbutamol Nebes (Combivent UDV)	£72,458	3,004
Ipratropium - Salbutamol Nebes (Ipramol)	£2,529	106
TOTAL	£1,564,324	48,953

Corticosteroids (Respiratory)

CLASS SUMMARY

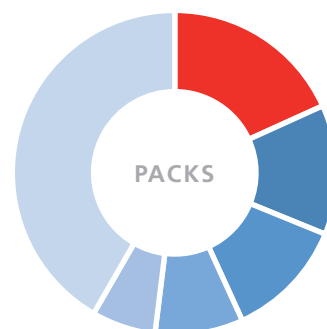
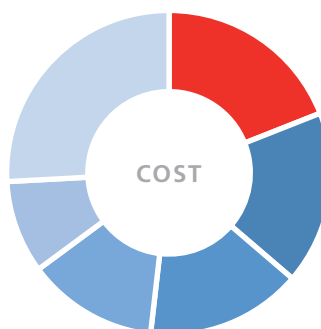
RANK	1
COST TO NHS IN MARCH 2017	£59,519,489
COST TO NHS IN 2016	£694,736,960
PACKS PRESCRIBED IN 2016	25,277,124
% OF TOTAL COST TO NHS (2016)	8.2%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Fostair	19%	18%
Symbicort Turbohaler	17%	13%
Seretide Accuhaler	16%	12%
Seretide Evohaler	13%	9%
Salmeterol/ Fluticasone MDI	9%	6%
Other	26%	42%



TOP DRUGS IN SUB-PARAGRAPH

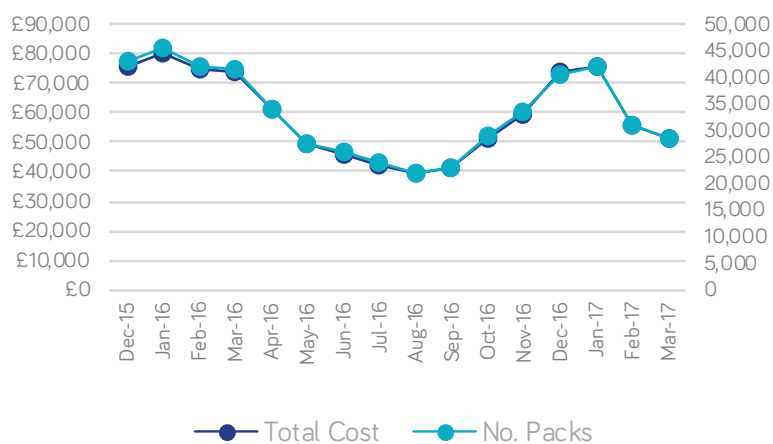
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Beclometasone / Formoterol MDI (Fostair)	£9,592,595	327,169
Budesonide/ Formoterol (Symbicort Turbohaler)	£8,706,564	232,123
Salmeterol/ Fluticasone Accuhaler (Seretide Accuhaler)	£7,844,326	215,582
Salmeterol/ Fluticasone MDI (Seretide Evohaler)	£6,581,586	157,604
Salmeterol/ Fluticasone MDI	£4,673,815	114,344
Beclometasone Inhaler [MDI] (Clenil Modulite)	£4,045,861	483,983
Budesonide / Formoterol	£3,331,756	89,634
Budesonide /Formoterol (Duoresp Spiromax)	£3,032,335	101,179
Salmeterol/ Fluticasone MDI (Sirdupla)	£2,634,033	73,086
Fluticasone / Formoterol (Flutiform)	£2,378,801	71,315
TOTAL	£52,821,672	1,866,019

Cough Suppressants

CLASS SUMMARY

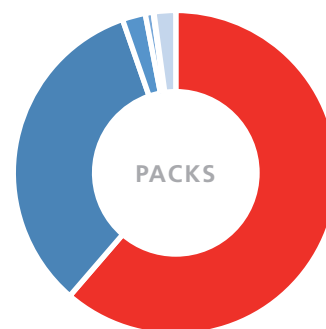
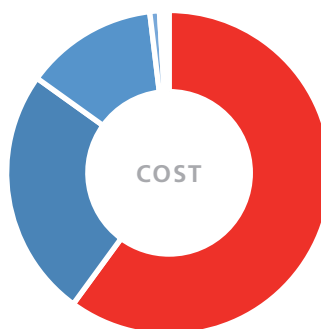
RANK	256
COST TO NHS IN MARCH 2017	£51,338
COST TO NHS IN 2016	£693,358
PACKS PRESCRIBED IN 2016	388,828
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Codeine Linctus	60%	61%
Pholcodine	25%	33%
Pholcodine Linctus Strong	13%	2%
Robitussin	1%	1%
Galcodine Codeine Linctus	0%	0%
Other	1%	2%



TOP DRUGS IN SUB-PARAGRAPH

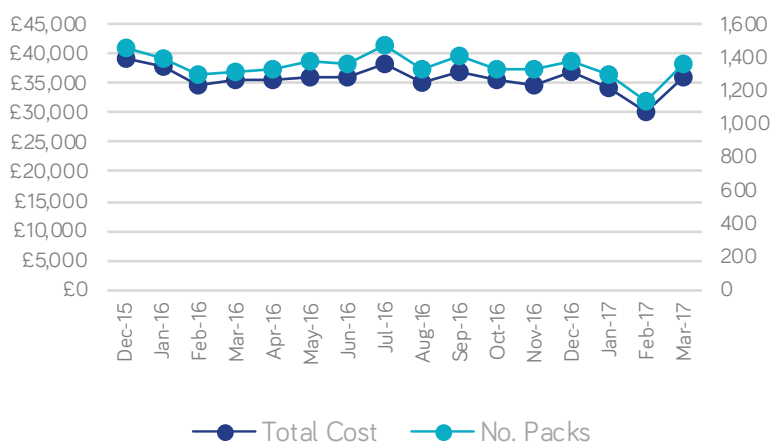
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Codeine Linctus	£30,823	17,600
Pholcodine Linctus (Pholcodine)	£12,762	9,577
Pholcodine Linctus Strong	£6,773	660
Guaifenesin (Robitussin)	£492	226
Galcodine Codeine Linctus	£214	22
Pholcodine Solution SF (paediatric) (Galenphol Paediatric)	£116	573
Pholcodine Linctus Strong (Galenphol)	£76	8
Pholcodine Cough Liquid (Pavacol D)	£48	35
Pholcodine Linctus (Galenphol)	£34	4
TOTAL	£51,338	28,705

Cromoglycate and Related Therapy

CLASS SUMMARY

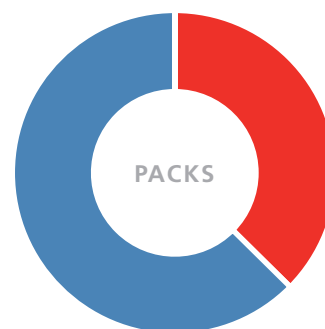
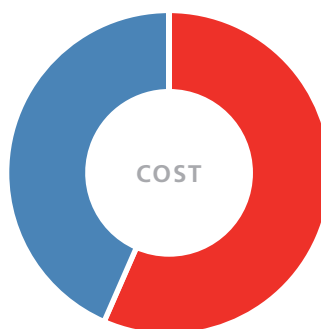
RANK	282
COST TO NHS IN MARCH 2017	£36,158
COST TO NHS IN 2016	£433,616
PACKS PRESCRIBED IN 2016	16,315
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
● Tilade (cfc free)	57%	37%
● Intal MDI	43%	63%



TOP DRUGS IN SUB-PARAGRAPH

DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Nedocromil MDI (Tilade (cfc free))	£20,449	512
Sodium Cromoglycate MDI (Intal MDI)	£15,709	857
TOTAL	£36,158	1,369

Expectorant & Demulcent Cough Preparations

CLASS SUMMARY

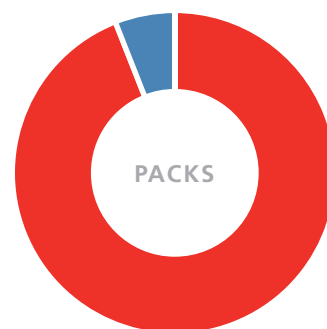
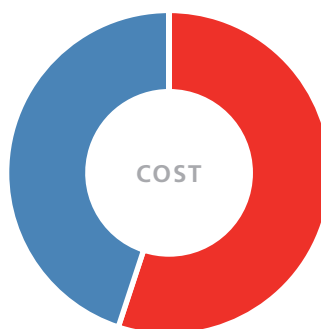
RANK	300
COST TO NHS IN MARCH 2017	£23,188
COST TO NHS IN 2016	£348,536
PACKS PRESCRIBED IN 2016	229,789
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Simple Linctus	55%	94%
Simple Linctus Paediatric	45%	6%



TOP DRUGS IN SUB-PARAGRAPH

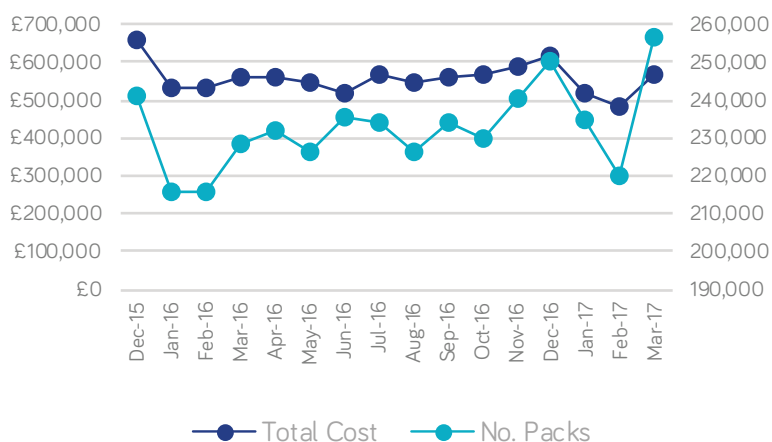
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Simple Linctus	£12,768	14,084
Simple Linctus Paediatric	£10,420	895
TOTAL	£23,188	14,979

Leukotriene Receptor Antagonists

CLASS SUMMARY

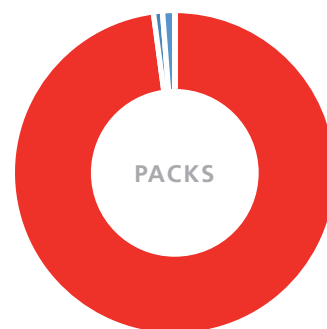
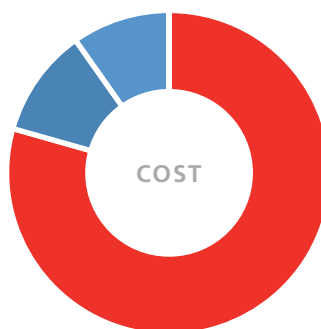
RANK	150
COST TO NHS IN MARCH 2017	£564,870
COST TO NHS IN 2016	£6,680,275
PACKS PRESCRIBED IN 2016	2,769,515
% OF TOTAL COST TO NHS (2016)	0.1%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Montelukast	79%	98%
Singulair	11%	1%
Accolate	10%	1%



TOP DRUGS IN SUB-PARAGRAPH

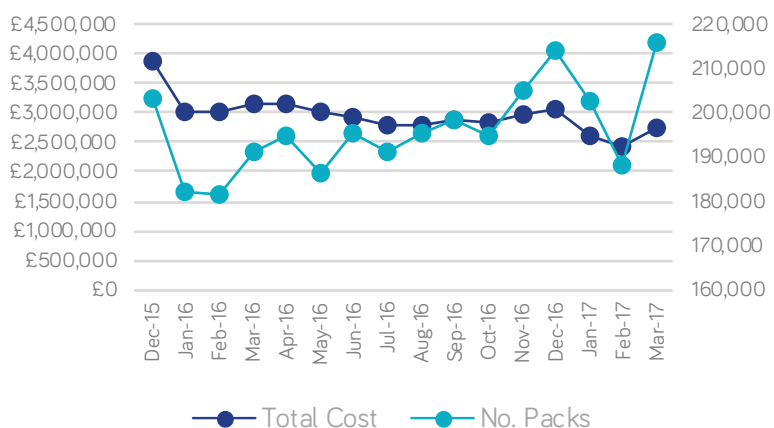
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Montelukast	£448,490	250,968
Montelukast (Singulair)	£61,183	2,312
Zafirlukast (Accolate)	£55,196	3,110
TOTAL	£564,870	256,389

Mucolytics

CLASS SUMMARY

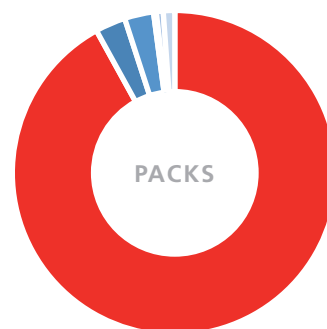
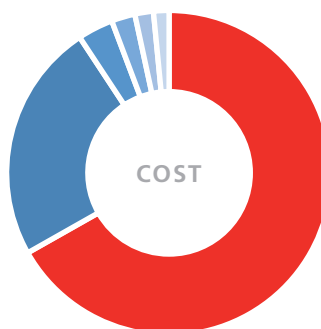
RANK	60
COST TO NHS IN MARCH 2017	£2,762,585
COST TO NHS IN 2016	£35,646,820
PACKS PRESCRIBED IN 2016	2,329,398
% OF TOTAL COST TO NHS (2016)	0.4%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Carbocisteine	67%	92%
Pulmozyme	24%	3%
Mucodyne	4%	3%
Nebusal	2%	0%
MucoClear	2%	1%
Other	2%	1%



TOP DRUGS IN SUB-PARAGRAPH

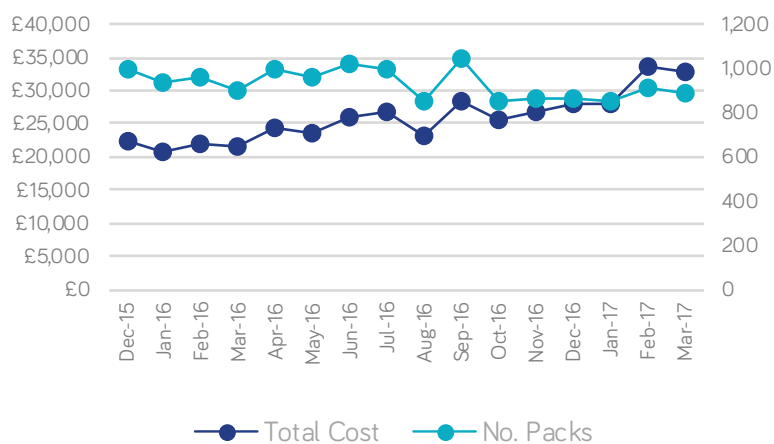
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Carbocisteine	£1,777,181	192,327
Dornase alpha (Pulmozyme)	£643,754	6,484
Carbocisteine (Mucodyne)	£95,216	6,222
Hypertonic Chloride Solution (Nebusal)	£63,294	586
Saline for Inhalation (MucoClear)	£49,658	1,479
Acetylcysteine (A-CYS)	£30,248	524
Carbocisteine	£20,840	5,413
Erdosteine (Erdotin)	£7,459	1,755
Acetylcysteine	£3,801	169
TOTAL	£2,691,450	214,959

Other Andrenoceptor Agonists

CLASS SUMMARY

RANK	286
COST TO NHS IN MARCH 2017	£32,710
COST TO NHS IN 2016	£297,676
PACKS PRESCRIBED IN 2016	11,274
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Ephedrine Tabs	100%	100%



TOP DRUGS IN SUB-PARAGRAPH

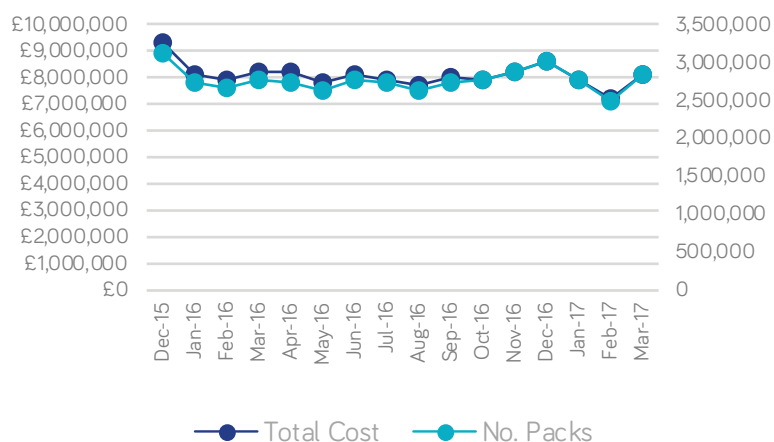
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Ephedrine Tabs	£32,710	885
TOTAL	£32,710	885

Selective Beta(2)-Agonists

CLASS SUMMARY

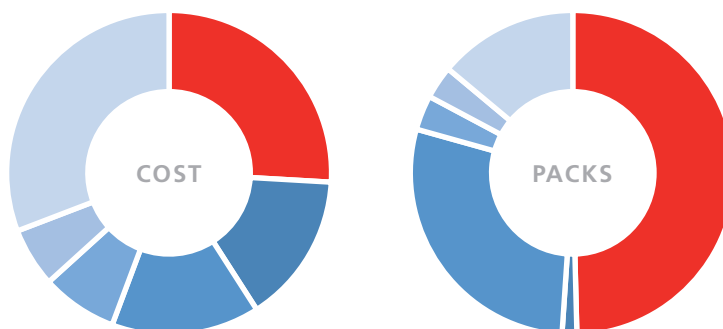
RANK	28
COST TO NHS IN MARCH 2017	£8,096,704
COST TO NHS IN 2016	£96,784,217
PACKS PRESCRIBED IN 2016	33,035,152
% OF TOTAL COST TO NHS (2016)	1.1%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Salbutamol MDI	26%	50%
Salmeterol MDI	15%	1%
Ventolin Evohaler	15%	28%
Unspecified	8%	3%
Bricanyl / Terbutaline	6%	3%
Other	31%	14%



TOP DRUGS IN SUB-PARAGRAPH

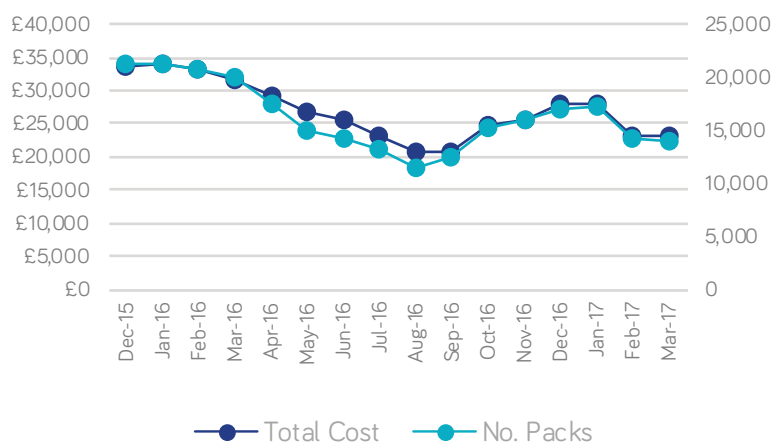
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Salbutamol MDI	£2,098,397	1,398,932
Salmeterol MDI	£1,215,466	41,542
Salbutamol MDI (Ventolin Evohaler)	£1,196,148	797,432
Salbutamol Breath Actuated Inhaler (Unspecified)	£613,408	97,367
Terbutaline Turbohaler (Bricanyl / Terbutaline)	£477,771	92,520
Salmeterol Accuhaler (Serevent Accuhaler)	£402,571	11,466
Salbutamol Nebuliser Solution	£357,924	139,259
Salbutamol Breath Actuated Inhaler (Salamol Easi-Breathe)	£287,028	45,560
Salmeterol MDI (Serevent MDI)	£196,598	6,719
Salbutamol Powder (Ventolin Accuhaler)	£181,696	50,471
TOTAL	£7,027,007	2,681,268

Systemic Nasal Decongestants

CLASS SUMMARY

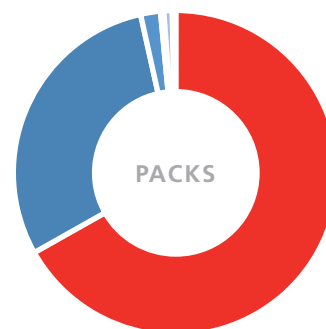
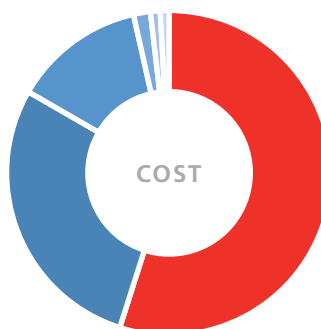
RANK	301
COST TO NHS IN MARCH 2017	£23,099
COST TO NHS IN 2016	£324,035
PACKS PRESCRIBED IN 2016	193,773
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Sudafed	55%	67%
Pseudoephedrine Oral Solution	28%	30%
Haymine	13%	2%
Galpseud	2%	0%
Sudafed elixir	1%	1%
Other	1%	0%



TOP DRUGS IN SUB-PARAGRAPH

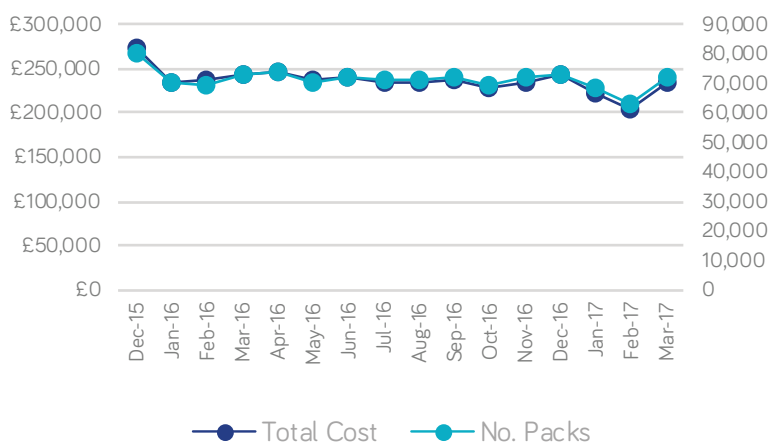
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Pseudoephedrine Tablet (Sudafed)	£11,955	9,328
Pseudoephedrine Oral Solution	£6,563	4,152
Chlorphenamine / Ephedrine Tablet (Haymine)	£3,038	276
Xylometazoline (Sudafed)	£728	20
Pseudoephedrine Solution (Sudafed elixir (Withdrawn 8/11))	£223	116
Pseudoephedrine Solution (Galpseud)	£212	15
Pseudoephedrine Tablet (Galpseud)	£177	31
Pseudoephedrine / Tripolidine (Sudafed Plus)	£138	8
Phenylephrine (Sudafed Blocked Nose)	£63	41
TOTAL	£23,099	13,987

Theophylline

CLASS SUMMARY

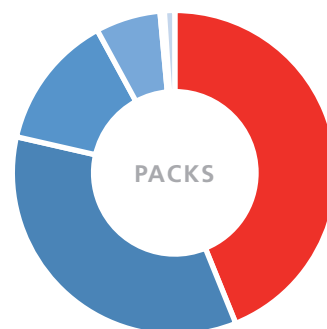
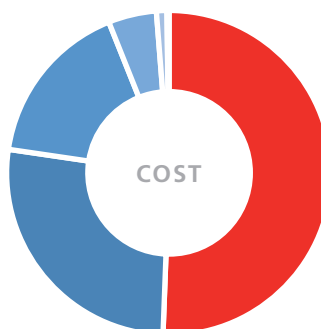
RANK	187
COST TO NHS IN MARCH 2017	£233,327
COST TO NHS IN 2016	£2,849,466
PACKS PRESCRIBED IN 2016	857,136
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Uniphyllin Continus	51%	44%
Phyllocontin Continus	27%	35%
Slo-Phyllin	17%	14%
Aminophylline SR	5%	6%
Nuelin SA	1%	0%
Other	0%	1%



TOP DRUGS IN SUB-PARAGRAPH

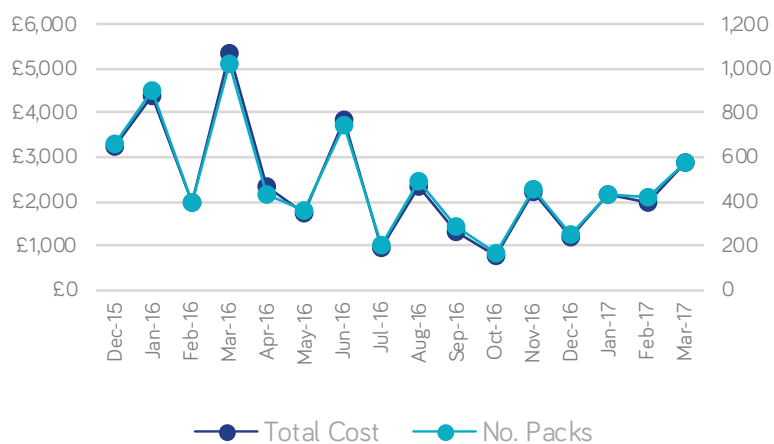
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Theophylline MR (Uniphyllin Continus)	£117,957	31,638
Aminophylline SR (Phyllocontin Continus)	£62,286	25,021
Theophylline (Slo-Phyllin)	£38,774	9,740
Aminophylline SR	£11,181	4,659
Theophylline MR (Nuelin SA)	£2,437	313
Aminophylline	£481	740
Aminophylline SR (Norphyllin)	£2	1
TOTAL	£233,118	72,112

Respiratory stimulants

CLASS SUMMARY

RANK	344
COST TO NHS IN MARCH 2017	£2,865
COST TO NHS IN 2016	£28,413
PACKS PRESCRIBED IN 2016	5,697
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Caffeine citrate	100%	100%



TOP DRUGS IN SUB-PARAGRAPH

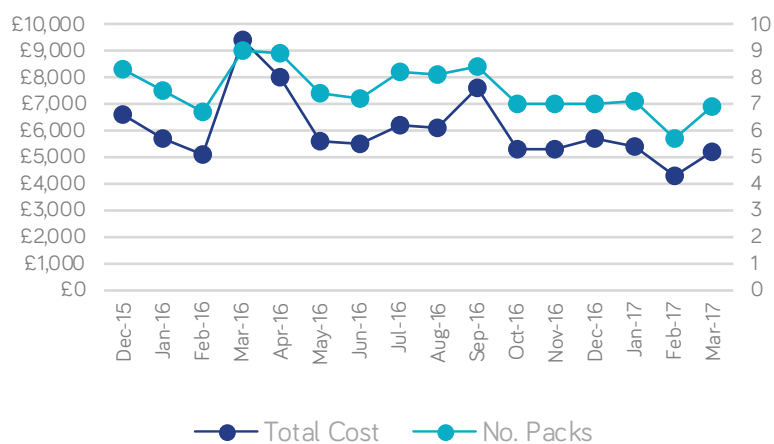
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Caffeine citrate	£2,865	570
TOTAL	£2,865	570

Antifibrotics

CLASS SUMMARY

RANK	335
COST TO NHS IN MARCH 2017	£5,231
COST TO NHS IN 2016	£75,544
PACKS PRESCRIBED IN 2016	93
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
● Stericlens	100%	100%



TOP DRUGS IN SUB-PARAGRAPH

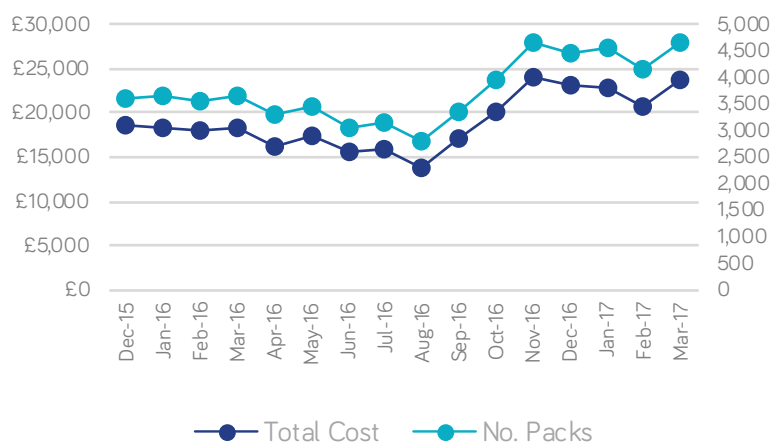
DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Sodium chloride (Stericlens)	£5,231	7
TOTAL	£5,231	7

Peak Flow Meters, Inhaler Devices and Nebulisers

CLASS SUMMARY

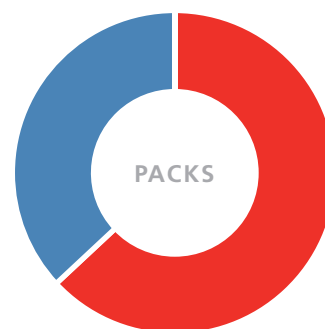
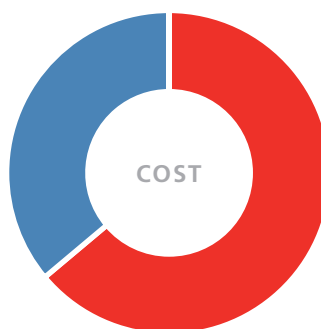
RANK	299
COST TO NHS IN MARCH 2017	£23,611
COST TO NHS IN 2016	£217,407
PACKS PRESCRIBED IN 2016	43,052
% OF TOTAL COST TO NHS (2016)	0.0%

COST & PACKS BY MONTH



COST & PACKS IN MARCH 2017

DRUG	COST	PACKS
Space Chamber Plus Compact	64%	63%
Space Chamber Plus	36%	37%



TOP DRUGS IN SUB-PARAGRAPH

DRUG	COST / MARCH 2017	PACKS / MARCH 2017
Space Chamber Plus Compact	£15,083	2,948
Space Chamber Plus	£8,528	1,728
TOTAL	£23,611	4,676



Appendix 3

RESPIRATORY CATEGORY M
JULY 2017 UPDATE

EDITION TWO

CH 03 - RESPIRATORY SYSTEM

DRUG	NEW TARIFF	OLD TARIFF	£ CHANGE	% CHANGE	IMPACT
Carbocisteine 375 mg Cap Pack of 120	£8.28	£9.09	-£0.81	-8.91	-£120,054
Cetirizine 10 mg tab Pack of 30 tabs	£0.77	£0.73	£0.04	5.48	£19,542
Cetirizine Solution 1 mg / ml Pack of 200	£1.57	£1.58	-£0.01	-0.63	-£647
Desloratadine 5 mg tab Pack of 30	£1.11	£0.96	£0.15	15.63	£3,542
Fexofenadine 120 mg tab Pack of 30	£1.67	£1.62	£0.05	3.09	£5,902
Fexofenadine 180 mg tab Pack of 30	£2.54	£2.31	£0.23	9.96	£39,456
Ipratropium Nebuliser Solution 500 mcg / 2ml Unit Pack of 20	£3.20	£2.70	£0.50	18.52	£12,633
Loratadine Syrup 5 mg / 5ml Pack of 100	£1.77	£1.93	-£0.16	-8.29	-£3,684
Loratadine Tablets 10 mg tab Pack of 30 tabs	£0.82	£0.82	£0.00	0.00	£0
Montelukast 10 mg Tab Pack of 28	£1.61	£1.71	-£0.10	-5.85	-£17,357
Montelukast 4 mg Paediatric Chewable Tab Pack of 28	£1.21	£1.35	-£0.14	-10.37	-£2,138
Montelukast 4 mg Paediatric granules Sachet Pack of 28	£4.18	£4.36	-£0.18	-4.13	-£1,572
Montelukast 5 mg Paediatric Chewable Tab Pack of 28	£1.68	£1.61	£0.07	4.35	£1,763

To access your impact500 interface to enable rapid and effective implementation of the highlighted medicines optimisation projects or request additional support please follow the link to our enquiries form.

Enquiries Link

www.ccgprescriber.org

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The target product within this Impact 2017 project has been identified by CCG Prescriber and represents optimum value for the NHS at the time of publication (June 2017). This optimisation project will be reviewed on an annual cycle. Safe Dispenser Ltd may benefit directly from utilisation of the product identified within the Impact Projects.



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