

# Scottish Therapeutics Utility

## User Guide



## Contents

|  |            |
|--|------------|
| <b>1 INTRODUCTION .....</b>  | <b>1-1</b> |
| <b>2 HOW TO USE STU .....</b>  | <b>2-1</b> |
| FORMAT OF STU.....   | 2-2        |
| <i>Data tables tab</i> .....   | 2-3        |
| PRINTING OR SAVING RESULTS .....   | 2-4        |
| ADDITIONAL FUNCTIONALITY .....   | 2-5        |
| <b>3 AVAILABLE REPORTS.....</b>  | <b>3-1</b> |
| REPORT 1: DASHBOARD.....   | 3-2        |
| <i>Repeat and acute items issued, practice population and patients prescribed repeat items</i> .....                                 | 3-2        |
| REPORT 2: NUMBER OF REPEATS.....   | 3-3        |
| <i>Patients grouped by the number of active repeat items</i> .....   | 3-3        |
| REPORT 3: DUPLICATE ISSUES .....   | 3-6        |
| <i>Repeat items that have been issued more than once in three days</i> .....   | 3-6        |
| REPORT 4: ALL REPEATS ISSUED.....  | 3-8        |
| <i>Patients who have had all repeats issued at the latest request</i> .....  | 3-8        |
| REPORT 5: REPEATS NOT ISSUED.....  | 3-10       |
| <i>Active repeats that have not been issued in given time periods with British National Formulary (BNF) chapter drill down</i> ..... | 3-10       |
| REPORT 6: PRIORITY PATIENT GROUPS.....   | 3-12       |
| <i>Multi-compartment compliance aids/Resident in a care home/Registered with Chronic Medication Service</i> .....                    | 3-12       |
| REPORT 7: EFFECTIVE FEEDBACK TO IMPROVE PRIMARY CARE PRESCRIBING SAFETY (EFIPPS) 3-14  |            |
| ESCRO DATA PUMP .....  | 3-16       |



# 1 Introduction

The Scottish Therapeutics Utility (STU) has been commissioned by the Effective Prescribing & Therapeutics Branch of the Scottish Government for use in all NHS Scotland GP practices. It was developed following a drive to improve safety, optimise efficiency and reduce avoidable waste (processes and costs), particularly in relation to repeat prescribing.

STU is intended for use by healthcare professionals and GP practice staff to monitor and review repeat prescribing systems at practice level. The utility allows users to interrogate their prescribing in real time and provides graphs to identify trends in repeat prescribing. Matters such as duplicate prescribing, non-issued items and excessive issues over and above the prescribing interval are highlighted and can be prioritised for corrective action.

As well as graphs, the application provides data tables showing the figures returned by the database query and, where appropriate, the patient details and drug items associated with the report.

STU also incorporates a report which identifies three cohorts of priority patient groups subject to the application of the appropriate read codes; those resident in a care home, those receiving medication in a multi-compartment compliance aid and patients registered with Community Pharmacy for the Chronic Medication Service.

Additionally, STU now includes a report which identifies six areas of high risk prescribing to support clinicians to review those individuals to determine if prescribing is still necessary, or how the risk can be reduced.

## ***Who is this guide for?***

This guide is produced for anyone who uses STU in the workplace. It can also be used as a resource by anyone responsible for delivering training on STU.

### ***Getting help***

Technical issues and installation queries regarding the Scottish Therapeutics Utility should be directed in the first instance to the EScro Helpdesk on 01463 255921.

Further support in interpretation of reports may be available from your local Prescribing Support Team.

### ***Logging in***

To run the application, click on the STU  icon on your desktop, or click on **Start | All Programmes | EScro | Scottish Therapeutics Utility** on the menu bar.

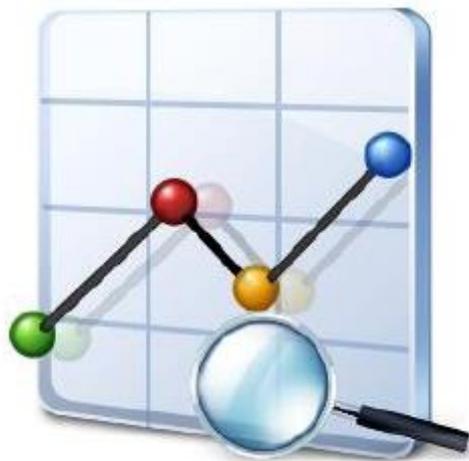
The application can be run at any time, however you may find it most useful to run at the beginning of each month or after work has been completed such as clinical or non-clinical medication review. The application runs against a small reporting database created by the EScro Data Pump – see EScro Data Pump 3-15.

When you first run the STU application, the STU window will display the Dashboard with the 'Graphs and simple results' tab selected and a reporting period end date of today's date.

### ***Troubleshooting***

If some, or all, of the charts and tables are empty, someone with access to the EScro data Pump should check it has been running on a scheduled task – see EScro Data Pump 3-15.

## 2 How to use STU



## Format of STU

Across the various reports, STU has two main formats. The first is displayed below: graphs and simple results.

The screenshot shows the STU web application interface. On the left is a sidebar with a 'List of available reports' including Dashboard, Number of repeats, Duplicate issues, All repeats issued, Repeats not issued, Priority patients, and EFPPS. The main area displays a report titled '1 - Repeat and acute items issued, practice population and patients prescribed repeat items'. A 'Reporting period end date' is set to 11/08/2015. Summary statistics are shown for 'No. of repeat items prescribed', 'No. of acute items prescribed', and 'No. of patients prescribed repeat items' over 56-day and 12-month periods. Two line graphs are displayed: 'No. of repeat and acute items prescribed' and 'No. of patients prescribed repeat items'. Callout boxes indicate: 'Use calendar to specify results period' (pointing to the date selector), 'Description of selected report' (pointing to the report title), 'Data tables tab shows detailed results – see following page.' (pointing to the 'Data tables' tab), and 'List of available reports' (pointing to the sidebar).

### Graph area

The Graph area shows the results for the chosen search, usually as a monthly trend over the specified time period. Some reports show more than one graph – use the scroll bar to view all graphs available where appropriate.

## Data tables tab

The second format is the 'Data tables' tab, which shows the results of the selected search in more detail than the 'Graphs and simple results' tab. Pictured below is an example of the 'Data tables' tab for 2 - Number of repeats – *Patients grouped by the number of active repeat items*.

Click on the 'Data tables' tab for more detailed results.

Select a number of repeat items from the top grid; this will display a list of patients with that number of items, shown in the grid below.

Clicking on a patient's name will display their list of repeat items in the grid below that.

| No of repeat items | No of patients | % of practice population | % of patients with repeat items | Average age of patients |
|--------------------|----------------|--------------------------|---------------------------------|-------------------------|
| 1                  | 575            | 9.9                      | 21.2                            | 39                      |
| 2                  | 509            | 7.5                      | 16.0                            | 41                      |
| 3                  | 394            | 5.8                      | 12.4                            | 49                      |
| 4                  | 298            | 4.4                      | 9.4                             | 55                      |
| 5                  | 252            | 3.7                      | 7.9                             | 59                      |
| 6                  | 182            | 2.7                      | 5.7                             | 61                      |
| 7                  | 184            | 2.7                      | 5.8                             | 62                      |
| 8                  | 125            | 1.8                      | 3.9                             | 64                      |
| 9                  | 133            | 2.0                      | 4.2                             | 66                      |
| 10                 | 88             | 1.3                      | 2.8                             | 66                      |
| 11                 | 75             | 1.1                      | 2.4                             | 63                      |
| 12                 | 53             | 0.8                      | 1.7                             | 66                      |

| Surname   | Forename | Date of birth | Pharmacy                  |
|-----------|----------|---------------|---------------------------|
| ARCHER    | KIRSTEEN | 12/12/1960    | Boots                     |
| ARRIS     | SHELAGH  | 27/04/1964    | FAX Rowlands and deliver  |
| Balzarine | ILENE    | 06/04/1936    | FAX Rowlands and deliver  |
| BARRETT   | LORNE    | 27/08/1963    | FAX Rowlands and deliver  |
| BATHAN    | ANGELO   | 21/04/1953    | FAX Rowlands and deliver  |
| BEATON    | CRISTINA | 10/07/1969    |                           |
| BELL      | DOROTHY  | 28/08/1935    | Boots                     |
| BIENECKI  | KELSEY   | 19/08/1932    | FAX Superdrug and deliver |

| Item name  | Dosage                                  | Quantity | Last issued |
|--|---|----------|-------------|
| Clenil Modu-Rite 200micrograms/dose inhaler (Chiesi) | 1 PUFF TWICE A DAY                      | 200      | 12/01/2015  |
| Donepezil 10mg tablets                               | 1 TABLET IN THE MORNING                 | 56       | 02/06/2015  |
| Duloxetine 40mg gastro-resistant capsules            | ONE TWICE A DAY                         | 112      | 02/06/2015  |
| Hydroxocobalamin 1mg/1ml solution for injection am   | 1 VIAL EVERY 3 TO 4 MONTHS              | 5        | 02/01/2015  |
| Isosorbide mononitrate 40mg modified-release table   | 1 EVERY DAY                             | 96       | 02/06/2015  |
| Levodopa/lisine sodium 25microgram tablets           | 3 EVERY DAY                             | 168      | 02/06/2015  |
| Paracetamol 500mg tablets                            | TWO TABLETS EVERY 4-6 HOURS FOR FOR FOF | 224      | 02/06/2015  |
| Rosuvastatin 10mg tablets                            | TAKE ONE DAILY                          | 56       | 02/06/2015  |
| Salbutamol 100micrograms/dose inhaler CFC free       | 2 PUFFS AS REQUIRED                     | 200      | 12/01/2015  |

### Information Points:

The Data tables for the Dashboard are simply tables of the figures used to produce the graphs in the 'Graphs and simple results' tab.

For all other reports, such as the one pictured above, the Data tables are tiered to display further information – see Section 3 for more details about what information is available in the 'Data tables' tab of each report.

The data tables can be sorted in each section by clicking on the headings. In the example above, you can numerically order the top table by clicking on the *average age of patients* heading. This functionality applies to any of the other headings and sorting will be either numerical or alphabetical depending on the data context. The same applies to the tiered tables underneath. Clicking on the heading again will arrange the information in reverse order.

Anywhere you see a patient's name, you can right click on the name and enter the patient's clinical record within EMIS or Vision. You must ensure the clinical system is open, and for Vision users, Consultation Manager must also be open.

## Printing or saving results

You can print or save the results generated by each individual report using Crystal Reports.

You can print and/or save reports either from the 'Print reports' on the menu bar, or the print button shown on each report.

The information in some of the drill down tables where the patient name and drug items are shown, can also be exported to an excel spreadsheet by right clicking on the table.

| Surname     | Forename | DOB        | Item name            |
|-------------|----------|------------|----------------------|
| ADAMIEC     | AARAN    | 13/08/1956 | SALAMOL EASI-BF      |
| ADAMIEC     |          |            | Control 100 Accut    |
| ALLAN       |          |            | ITASA sr tab         |
| ALLISON     | MI       |            | pacor type 3         |
| ATHERTON    |          |            | ERYL TRINIT          |
| BAGSHEER    |          |            | Micro-Fine + h/r     |
| BAGSHEER    | DON      | 21/09/1970 | CLENIL MODULITE      |
| BAGSHEER    | DON      | 21/09/1970 | Contour biosensor s  |
| BAGSHEER    | DON      | 21/09/1970 | Sharpeafe disposal   |
| Balzarine   | SCOTT    | 04/12/1999 | FLUTICASONE dry      |
| BASQUILL    | JOAN     | 28/02/1937 | WARFARIN SODIU       |
| BEAUMONT    | LORETA   | 17/09/1995 | Fifty.50 oint [ENN   |
| BENAI       | TOMASZ   | 08/06/1954 | OESTROGEL gel        |
| BENVENUTO   | S        | 19/05/1961 | Beconase Aqueous     |
| BISSONNETTE | NORMANA  | 20/12/1992 | Alphosyl 2 in 1 shan |
| BLEADEN     | TIMOTHY  | 26/09/1967 | OneTouch Ultra test  |
| BOA         | LEAH     | 12/12/1966 | DIPROBASE            |
| BODNAR      | SHERIE   | 04/06/1958 | Lisinopril 5mg ti    |
| BODNAR      | SHERIE   | 04/06/1958 | PIOGLITAZONE ta      |
| BOWDEN      | RHETT    | 25/12/1938 | OMEPRAZOLE gas       |
| BRAYNION    | KIRSTIN  | 05/10/1954 | Paracetamol 500m     |
| BRYCE       | EVELINA  | 26/09/1955 | DOUBLEBASE EMK       |

Each report can be printed off individually, and will display the graphs, simple results and statistical data table information.

**Note:** The information in the drill down tables in '3 - Duplicate issues' and '5 - Repeats not issued' can be exported to excel.

## Additional Functionality

For all the patient drill down tables you can right click on the patient name and view a history of the current repeat items issued to that patient over the last 12 issues and for the last 12 calendar months. This opens a matrix which can be reviewed to rapidly assess potential compliance/concordance issues.

Right click on the patient's name and select 'View items issued'.

| Surname  | Forename | DOB        |        |
|----------|----------|------------|--------|
| ADAMIEC  | AARAN    | 13/08/1956 | SALAM  |
| ADAMIEC  | AARAN    | 13/08/1956 | SALAM  |
| ALLAN    | E        |            |        |
| ALLISON  | M        |            |        |
| ATHERTON | B        |            |        |
| BAGSHEER |          |            |        |
| BAGSHEER | DON      | 21/09/1970 | CLENIL |

Issues can be viewed by date issued. They can also be viewed by the month issued.

| Active repeat items issued                           |            |            |             |             |            |            |             |
|--|------------|------------|-------------|-------------|------------|------------|-------------|
| Items by issue date:                                 | May 7 2014 | May 1 2014 | Apr 23 2014 | Apr 22 2014 | Apr 3 2014 | Apr 2 2014 | Mar 18 2014 |
| Aspirin 75mg dispersible tablets                     |            |            |             | 56          | 56         |            |             |
| Atenolol 25mg tablets                                |            |            |             | 56          | 56         |            |             |
| Clinitas Carbomer 0.2% eye gel (Altaacor Ltd)        | 10         | 10         |             | 10          |            | 10         |             |
| Lacri-lube eye ointment (Allergan Ltd)               |            |            |             |             |            |            |             |
| Laxido Orange oral powder sachets sugar free (Gale)  |            |            |             |             |            |            |             |
| LBF barrier cream (CliniMed Ltd Essentials Accessori |            |            | 100         |             | 100        |            |             |
| Mirtazapine 30mg tablets                             |            |            |             | 56          | 56         |            |             |
| Paracetamol 500mg soluble tablets                    |            |            |             | 168         | 168        |            | 168         |

| Items by issue month:                                | Jun 2014 | May 2014 | Apr 2014 | Mar 2014 | Feb 2014 | Jan 2014 | Dec 2013 |
|--|----------|----------|----------|----------|----------|----------|----------|
| Aspirin 75mg dispersible tablets                     |          |          | 112 (2)  |          | 112 (2)  |          | 56 (1)   |
| Atenolol 25mg tablets                                |          |          | 112 (2)  |          | 112 (2)  |          | 56 (1)   |
| Clinitas Carbomer 0.2% eye gel (Altaacor Ltd)        |          | 20 (2)   | 20 (2)   |          | 20 (2)   |          | 10 (1)   |
| Lacri-lube eye ointment (Allergan Ltd)               |          |          |          |          |          |          |          |
| Laxido Orange oral powder sachets sugar free (Gale)  |          |          |          | 56 (1)   | 40 (2)   |          |          |
| LBF barrier cream (CliniMed Ltd Essentials Accessori |          |          | 200 (2)  |          | 100 (1)  |          |          |
| Mirtazapine 30mg tablets                             |          |          | 112 (2)  |          | 112 (2)  |          | 56 (1)   |
| Paracetamol 500mg soluble tablets                    |          |          | 336 (2)  | 168 (1)  | 504 (3)  |          |          |

You can also open the patient's record in Vision or EMIS, directly from the drill down table. A pre-designated medication management Read code (8BM..), can also be entered into a patient's record. Free text can be added along with the read code to give details of the action required to be taken.

Right click on the patient's name and you can select either 'Open in Vision' or 'Add medication management code into Vision'.

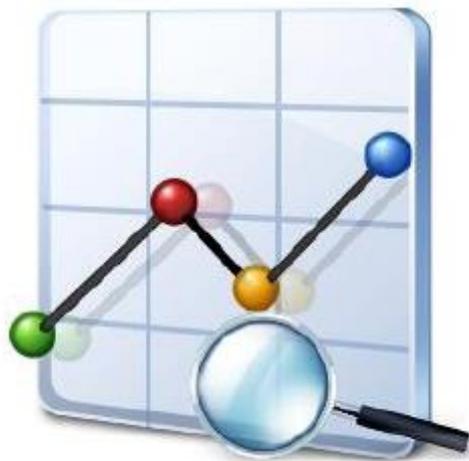
| Surname  | Forename | DOB        |        |
|----------|----------|------------|--------|
| ADAMIEC  | AARAN    | 13/08/1956 | SALAM  |
| ADAMIEC  | AARAN    | 13/08/1956 | SALAM  |
| ALLAN    | E        |            |        |
| ALLISON  | M        |            |        |
| ATHERTON | B        |            |        |
| BAGSHEER |          |            |        |
| BAGSHEER | DON      | 21/09/1970 | CLENIL |

You can open the patient's record from any of the patient drill down tables. Adding a medication management code is only available in '5 - Repeats not issued' report.

**Note:** The clinical system must be open to view a patient's record.



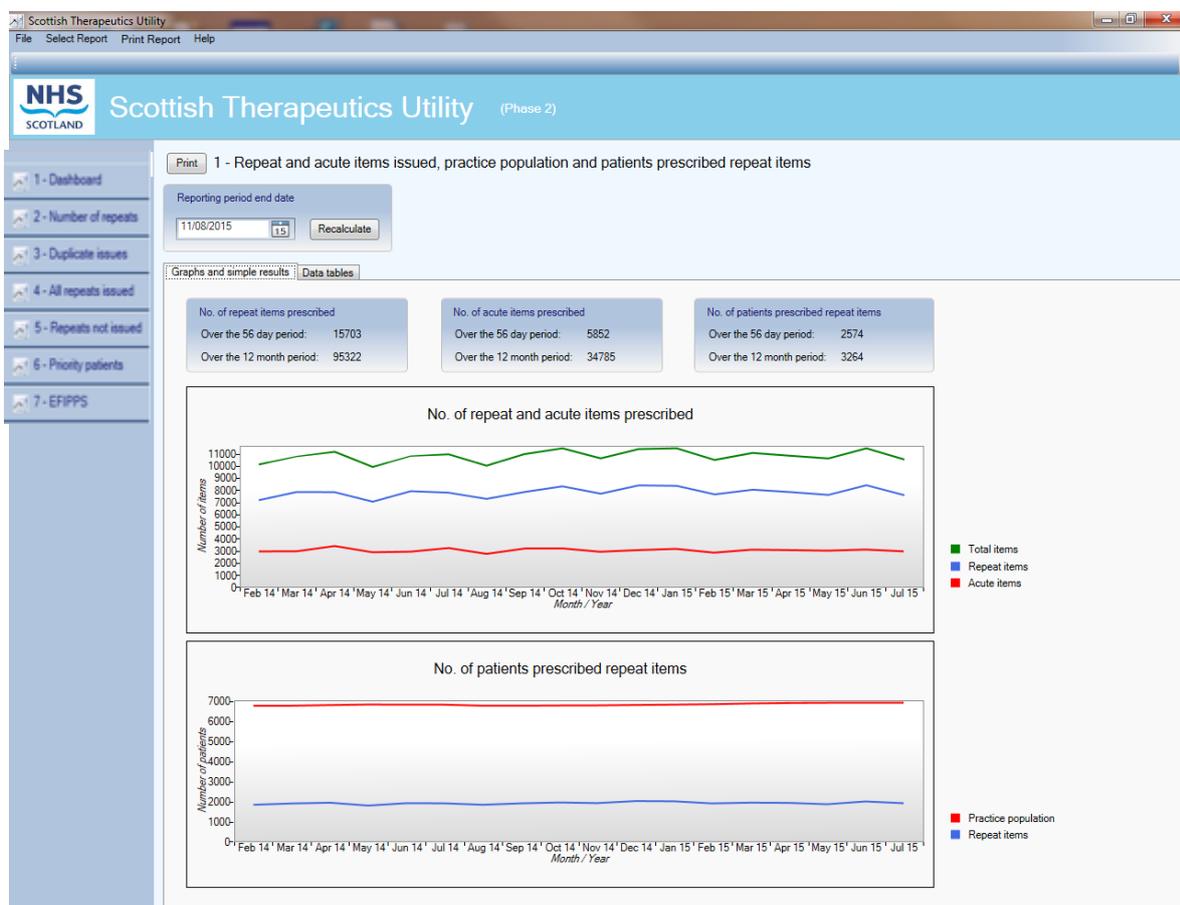
### 3 Available Reports



## Report 1: Dashboard

### Repeat and acute items issued, practice population and patients prescribed repeat items

The dashboard is the first window displayed when STU is opened. It shows the total number of active repeat and acute items prescribed over the 56 day and 12 month periods ending on the selected reporting period end date. This will usually default to the actual day the utility is opened in line with the automated run of the EScro data pump. Where this is not the case, STU will provide an alert within a pop-up window.



#### Graph

**Graph 1:** The trend of the number of repeat items, acute items, and total items issued over the 18 calendar months prior to the selected reporting period end date.

**Graph 2:** The trend of the number of patients issued repeat items, and the practice population over the 18 calendar months prior to the selected reporting period end date.

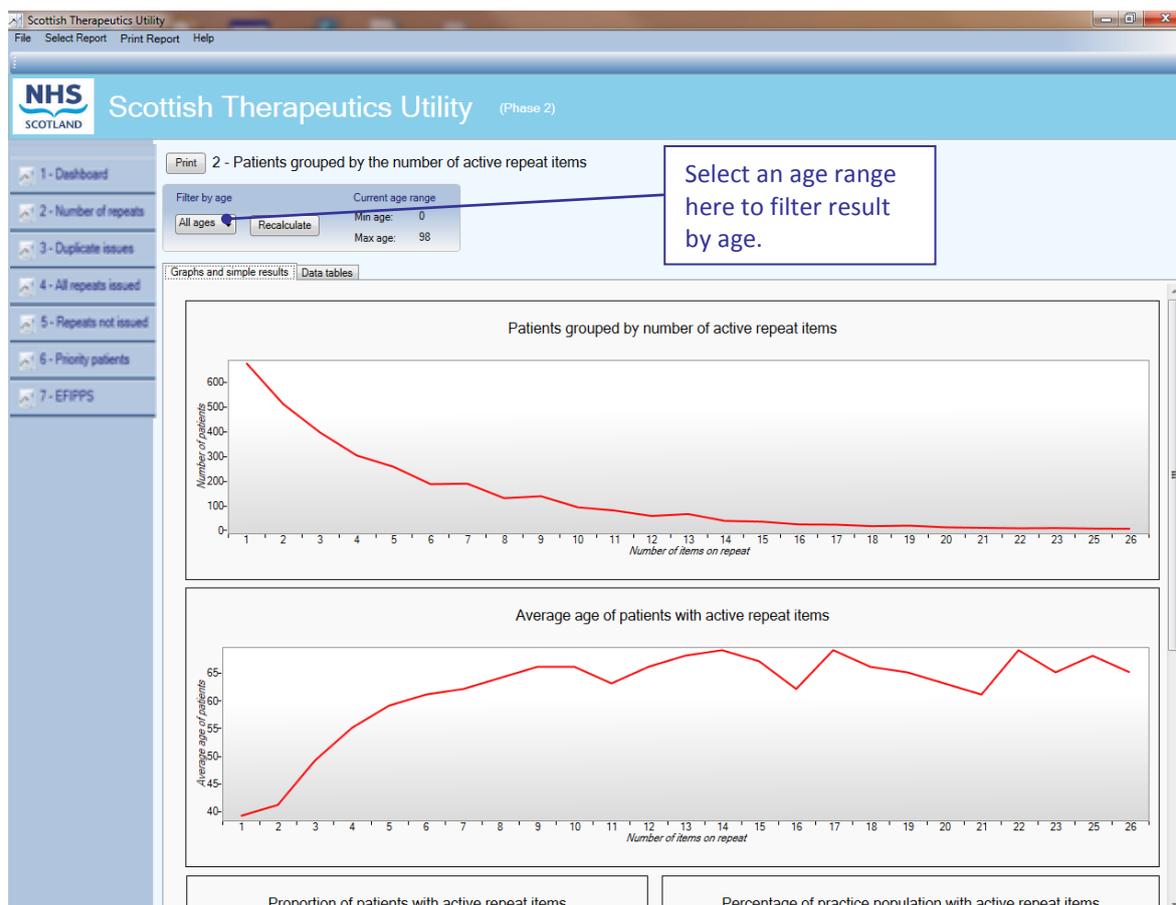
#### Data tables

The data tables show the trend of the above information, broken down by month.

## Report 2: Number of repeats

### Patients grouped by the number of active repeat items

Click on the report title from the menu on the left of the screen to bring up the second search. The graphs are explained below.

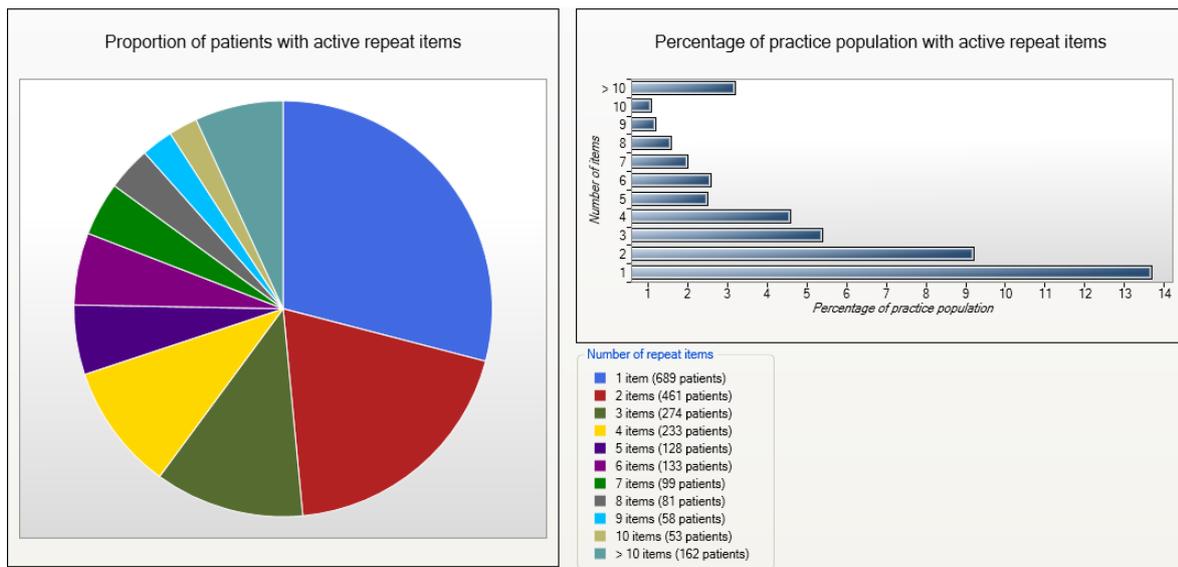


You can change the age range you would like to view, with the default being all ages. Selecting the age range using the filter then clicking on recalculate will update the data presented in all four graphs and charts.

#### Graphs

**Graph 1:** The number of patients with a given number of active repeat items.

**Graph 2:** The average age of patients with a given number of active repeat items.



**Graph 3:** Pie chart showing the proportion of patients with a given number of active repeat items. Hovering the mouse over any given segment will reveal the number and percentage of patients within that group.

**Graph 4:** Bar chart showing the percentage of the practice population with a given number of active repeat items.

Data tables

Click on the data tables tab to show more detailed information about the search.

Print 2 - Patients grouped by the number of active repeat items

Filter by age: All ages, Recalculate, Current age range: Min age: 0, Max age: 98

Graphs and simple results | Data tables

Patients grouped by number of active repeat items

| No of repeat items | No of patients | % of practice population | % of patients with repeat items | Average age of patients |
|--------------------|----------------|--------------------------|---------------------------------|-------------------------|
| 1                  | 675            | 9.9                      | 21.2                            | 39                      |
| 2                  | 509            | 7.5                      | 16.0                            | 41                      |
| 3                  | 394            | 5.8                      | 12.4                            | 49                      |
| 4                  | 298            | 4.4                      | 9.4                             | 55                      |
| 5                  | 252            | 3.7                      | 7.9                             | 59                      |
| 6                  | 182            | 2.7                      | 5.7                             | 61                      |
| 7                  | 184            | 2.7                      | 5.8                             | 62                      |
| 8                  | 125            | 1.8                      | 3.9                             | 64                      |
| 9                  | 133            | 2.0                      | 4.2                             | 66                      |
| 10                 | 88             | 1.3                      | 2.8                             | 66                      |
| 11                 | 75             | 1.1                      | 2.4                             | 63                      |
| 12                 | 53             | 0.8                      | 1.7                             | 66                      |

| Surname   | Forename | Date of birth | Pharmacy                 |
|-----------|----------|---------------|--------------------------|
| ADLER     | ASBY     | 13/05/1956    |                          |
| AGNEW     | DENIS    | 12/12/1965    | FAX Rowlands and deliver |
| ALMEIDA   | KERI     | 20/06/1960    |                          |
| ANDERSONS | JON      | 29/09/1956    | FAX Rowlands and deliver |
| ASH       | ABUL     | 16/02/1934    | Boots                    |
| BAILEY    | FRED     | 16/02/1950    | FAX Rowlands and deliver |
| BARTHE    | SITA     | 13/09/1942    |                          |
| BEAMISH   | KERYN    | 17/07/1964    | FAX Rowlands and deliver |
| BEAUMONT  | NIKI     | 05/06/1941    | FAX Rowlands and deliver |

| Item name                             | Dosage                                     | Quantity | Last issued |
|---------------------------------------|--|----------|-------------|
| Aspirin 75mg gastro-resistant tablets | 1 DAILY WITH FOOD                          | 56       | 10/06/2015  |
| Citalopram 20mg tablets               | 2 DAILY - 40MG IS MAXIMUM DOSE OF CITALOPF | 56       | 10/07/2015  |
| Co-codamol 30mg/500mg tablets         | 2 FOUR TIMES A DAY                         | 100      | 19/06/2014  |
| Gabapentin 300mg capsules             | 3 THREE TIMES A DAY                        | 168      | 10/07/2015  |
| Simvastatin 20mg tablets              | ONE EVERY NIGHT                            | 56       | 10/06/2015  |
| Tramadol 50mg capsules                | ONE OR TWO UP TO FOUR TIMES A DAY          | 60       | 10/07/2015  |

The 'Data tables' tab lists the number of active repeat items patients have authorised on the clinical system.

It also shows how many patients are on the selected number of active repeat items and what percentage this represents of both the practice population and of the total number of patients with active repeat items.

Finally, it shows the average age of those patients with the selected number of active repeat items.

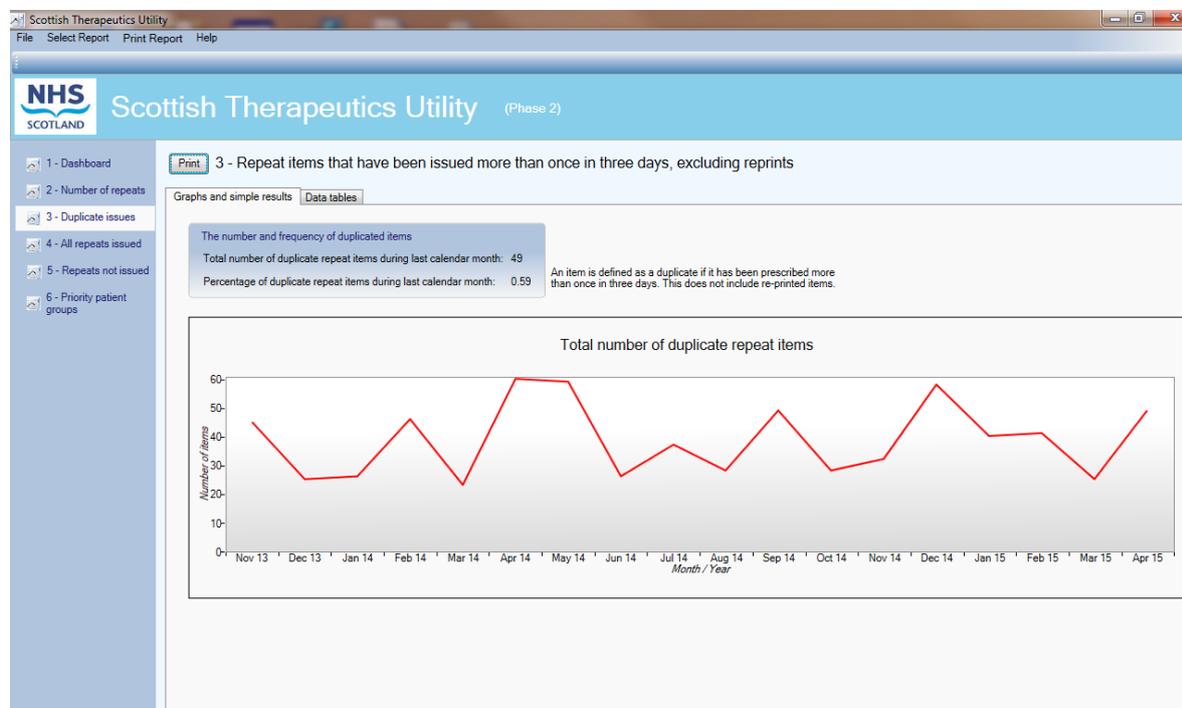
For example, in the above table, there are 182 patients who have 6 active repeat items, representing 2.7% of the practice population and 5.7% of all patients with active repeat items. The average age of patients with 6 active repeat items is 61 years.

**Note:** The second table shows the drill down of the individual patients' names, and the third shows the repeat items authorised for the selected patient.

Where a Pharmacy is displayed, please note that this is as currently annotated on the clinical system by the practice with the exception of patients who are registered for the Chronic Medication Service (CMS) via Community Pharmacies. Where patients are registered for CMS, any pharmacy annotated by the practice will be over-written in STU to display the CMS registering pharmacy only.

## Report 3: Duplicate issues

### Repeat items that have been issued more than once in three days



#### Simple results

The blue text box shows the total number of duplicate repeat items during the latest full calendar month, and what percentage this represents of the total number of repeat items issued. The search does not include items generated using the reprint function within the clinical system – only duplicates/re-issued items.

**Note:** An item is considered a duplicate if it is issued to a patient more than once in the last three days.

#### Graph

The trend of the total number of duplicate repeat items prescribed over the last 18 calendar months.

Data tables

3 - Repeat items that have been issued more than once in three days, excluding reprints

Graphs and simple results | Data tables

Note: This report includes deducted patients

### Duplicate repeat items over 18 months

| Month / Year | No of duplicate repeat items | % of duplicate repeat items |
|--------------|------------------------------|-----------------------------|
| Nov 13       | 45                           | 0.58                        |
| Dec 13       | 25                           | 0.36                        |
| Jan 14       | 26                           | 0.37                        |
| Feb 14       | 46                           | 0.58                        |
| Mar 14       | 23                           | 0.33                        |
| Apr 14       | 60                           | 0.76                        |
| May 14       | 59                           | 0.76                        |
| Jun 14       | 26                           | 0.36                        |
| Jul 14       | 37                           | 0.49                        |
| Aug 14       | 28                           | 0.37                        |
| Sep 14       | 49                           | 0.64                        |
| Oct 14       | 28                           | 0.38                        |
| Nov 14       | 32                           | 0.40                        |
| Dec 14       | 58                           | 0.80                        |
| Jan 15       | 40                           | 0.55                        |
| Feb 15       | 41                           | 0.50                        |
| Mar 15       | 25                           | 0.35                        |
| Apr 15       | 49                           | 0.59                        |

| Surname  | Forename  | DOB        | Item name                    | Dosage                   | Quantity | Issued date |
|----------|-----------|------------|------------------------------|--------------------------|----------|-------------|
| BOATH    | RENE      | 28/04/1992 | Salkutamol 100micrograms     | 2 PUFFS AS REQUIRED      | 200      | 23/05/2014  |
| CROUCHER | NIGEL     | 03/06/2011 | Sodium valproate 200mg/5ml   | 5MLS TWICE A DAY         | 300      | 28/05/2014  |
| DIXON    | GREGORY   | 11/06/1991 | Liothyronine 5microgram tabl | 4 DAILY AS ADVISED BY EP | 112      | 10/05/2014  |
| GITTENS  | EDAN      | 13/01/2004 | Hospiforne bandage 10cm x 4  |                          | 24       | 23/05/2014  |
| GITTENS  | EDAN      | 13/01/2004 | Ichthopaste bandage 7.5cm x  | AS DIRECTED              | 12       | 23/05/2014  |
| GOLLAN   | LAURYN    | 21/08/1960 | Hydroxocobalamin 1mg/1ml i   | 1 I/M 3MNTLY             | 5        | 16/05/2014  |
| HAMILTON | SASHA     | 13/11/1960 | Atorvastatin 10mg tablets    | 1 EACH EVENING           | 56       | 28/05/2014  |
| HEARNS   | MARSALI   | 19/01/1996 | Esomeprazole 40mg gastro-r   | 1 TABLET ONCE A DAY w/   | 28       | 14/05/2014  |
| HEATH    | MARGARITA | 13/10/1929 | Co-codamol 30mg/500mg tab    | 1-2 TABLETS UP TO FOUR   | 100      | 24/05/2014  |
| HENSON   | VARNYS    | 28/04/2013 | Nutramigen 1 LIPIIL powder ( | IN THE USUAL MANNER FC   | 3200     | 28/05/2014  |
| JEWITT   | JENNA     | 24/02/1932 | Alendronic acid 70mg tablets | TAKE ONE WEEKLY ON SA    | 4        | 10/05/2014  |
| JEWITT   | JENNA     | 24/02/1932 | Allopurinol 300mg tablets    | ONE EVERY DAY DISPENS    | 28       | 10/05/2014  |

The 'Data tables' tab shows the number of duplicate active repeat items issued over the 18 calendar months, broken down by month, and what percentage the number represents of the total number of active repeat items issued in that month.

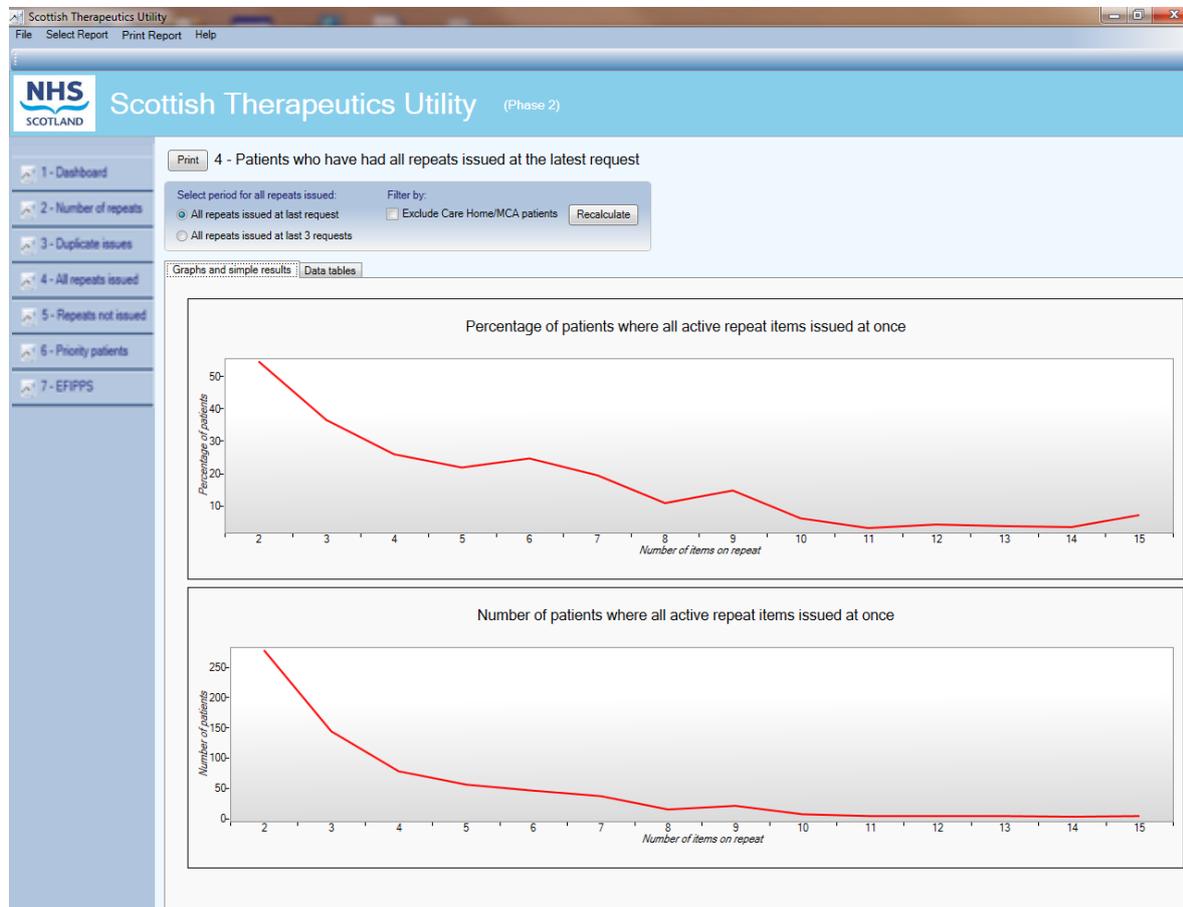
For example, in the table above, during May 2014 there were 59 duplicate active repeat items, which represented 0.76% of all active repeat items for that month.

The patient level detail displayed in the lower tier table defaults to the most recent full calendar month but previous months can be reviewed by selecting the relevant Month/Year.

**Note:** The patient detail table below show the drill down of the individual patients and the duplicate items prescribed along with the date of duplication. The lists can be sorted by clicking on the relevant header (eg item name)

## Report 4: All repeats issued

### Patients who have had all repeats issued at the latest request



This report has a number of additional options which can be applied to the data and resulting charts. The report will display patients with all items issued at the latest request but also those with all items issued at the latest 3 requests.

The results can be filtered to exclude patients Read coded as being resident in a Care Home and those with Multi-compartment Compliance Aids.

#### Graphs

**Graph 1:** The percentage of patients with a specified number of active repeats who had all repeat items issued at once at the latest request (or latest 3 requests), compared to all patients with the specified number of active repeats. For example, in the graph above, just over 50% of patients with 2 active repeat items issued all repeat items at once the last time they requested a repeat prescription.

**Graph 2:** The number of patients where all active repeat items were issued at once at the latest request (or latest 3 requests) grouped by the number of items on the request. For example, in the graph above, approximately 100 patients with 3 active repeat items ordered them all at once the last time they requested a repeat prescription.

Data tables

Print 4 - Patients who have had all repeats issued at the latest request

Select period for all repeats issued:  All repeats issued at latest request  All repeats issued at last 3 requests

Filter by:  Exclude Care Home/MCA patients

Graphs and simple results Data tables

Drill down on patients with active repeat items

| No of repeat items | No of patients with repeat items | No of patients with repeats ordered at once | % of Patients with repeats ordered at once |
|--------------------|----------------------------------|---|--|
| 2                  | 509                              | 277   | 54.4                                       |
| 3                  | 394                              | 143   | 36.3                                       |
| 4                  | 298                              | 76  | 25.5                                       |
| 5                  | 252                              | 54  | 21.4                                       |
| 6                  | 182                              | 44  | 24.2                                       |
| 7                  | 184                              | 35  | 19.0                                       |
| 8                  | 125                              | 13  | 10.4                                       |
| 9                  | 133                              | 19  | 14.3                                       |
| 10                 | 88                               | 5   | 5.7  |
| 11                 | 75                               | 2   | 2.7  |
| 12                 | 53                               | 2   | 3.8  |

| Surname      | Forename | Date of birth | Pharmacy                 |
|--------------|----------|---------------|--------------------------|
| ALLISTON     | JUSTINAS | 13/04/1947    | FAX Rowlands and deliver |
| ANNAND       | SHERAN   | 16/12/1947    | FAX Rowlands and deliver |
| ASTLEY-JONES | RAFHAEL  | 08/03/1946    | FAX Rowlands and deliver |
| BALLOCH      | GLENN    | 18/06/1952    | FAX Rowlands and deliver |
| BIOCCHI      | JABAR    | 24/02/1976    | Pharmacy                 |
| BIENIECKI    | LILIA    | 07/12/1942    | FAX Rowlands and deliver |
| BRIAN        | VICTORIA | 28/07/1967    |                          |
| BUDGE        | RENATO   | 04/04/1960    | Boots                    |
| CAMERON      | KARA     | 24/05/1965    | FAX Rowlands and deliver |

| Item name                         | Dosage                     | Quantity | Last issued |
|-----------------------------------|----------------------------|----------|-------------|
| Bendroflumethiazide 2.5mg tablets | ONE EVERY DAY              | 56       | 17/06/2015  |
| Metformin 500mg tablets           | ONE TABLET TO BE TAKEN THR | 168      | 17/06/2015  |
| Simvastatin 80mg tablets          | TAKE ONE AT NIGHT          | 56       | 17/06/2015  |
| Sulfenacin 5mg tablets            | 1 TABLET ONCE A DAY        | 56       | 17/06/2015  |

The 'Data tables' tab lists the number of active repeat items patients are on, excluding those with only one active repeat.

It also shows how many patients are on the selected number of active repeat items and how many of those patients issued all of their items at once the last time, or last 3 times, a repeat prescription was requested.

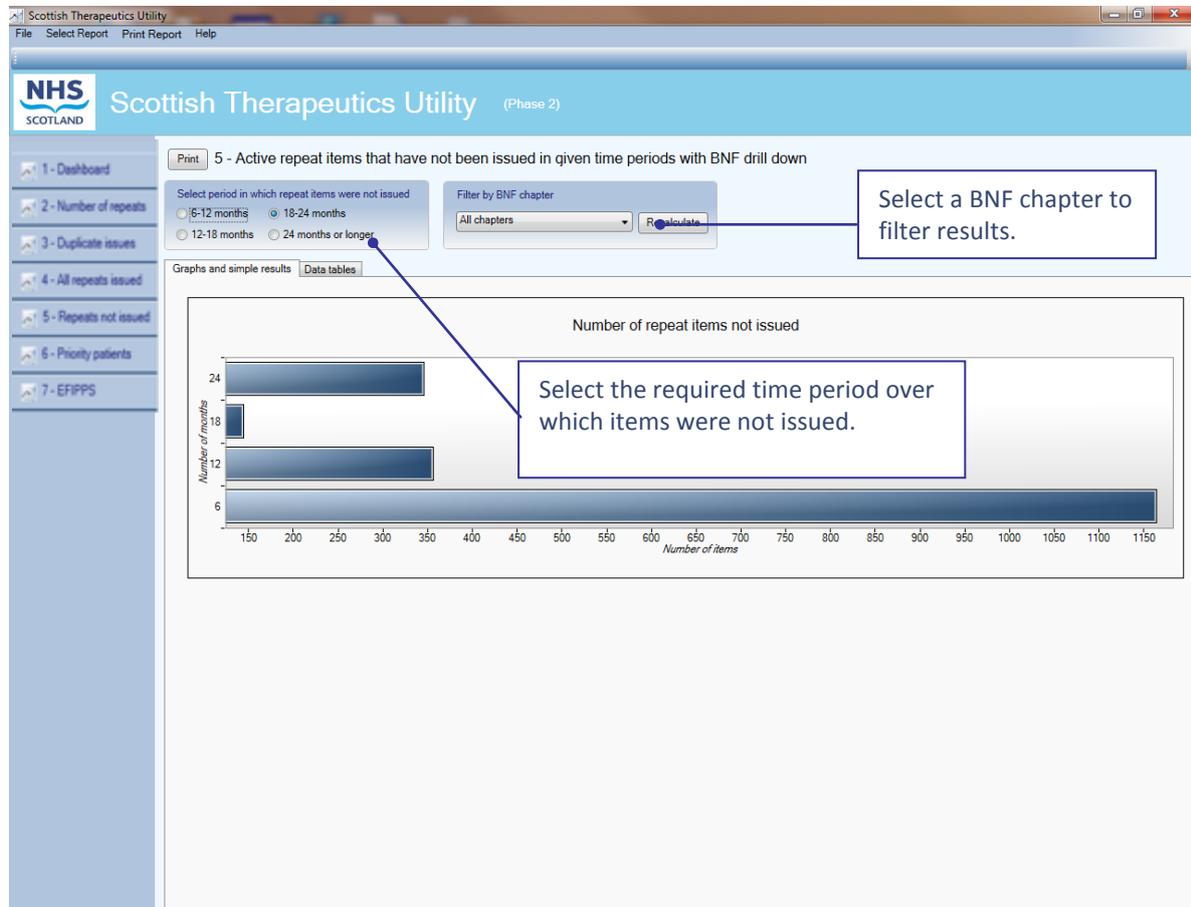
For example, in the table above, there are 298 patients with 4 active repeat items, of which 76 (25.5%) issued all of their items at once the last time a repeat prescription was requested.

By right clicking on the patient, you can use view items issued matrix to review issue patterns over the preceding 12 months.

**Note:** The tables below show the drill down of the individual patient's names, and the repeat items prescribed for the selected patient.

## Report 5: Repeats not issued

### Active repeats that have not been issued in given time periods with British National Formulary (BNF) chapter drill down



#### Graph

The bar chart shows the total number of active repeat items that have not been issued for the last 6-12 months, 12-18 months, 18-24 months, and 24+ months.

For example, in the above graph, there were approximately 400 active repeat items not requested during the last 12-18 months.

Hovering over the bar chart will allow visualisation of the exact number of items within each time period.

Data tables

| Surname      | Forename   | DOB        | Item name                        | Dosage                   | Quantity | Last issued |
|--------------|------------|------------|----------------------------------|--------------------------|----------|-------------|
| AITKENHEAD   | GEMMA      | 06/01/1963 | FreeStyle Optium testing strip   | WHEN REQUIRED            | 100      | 21/12/2013  |
| ATHERTON     | SARAH      | 02/09/1971 | Co-codamol 30mg/500mg tab        | TAKE 1 OR 2 4 TIMES/DAY  | 100      | 26/12/2013  |
| ATHERTON     | SARAH      | 02/09/1971 | Fostair 100micrograms/dose/      | 1 PUFF BD                | 120      | 12/01/2014  |
| BAIN         | EVANGELINE | 21/05/2004 | Olatum cream (GlaxoSmithK        | APPLY THREE TIMES DAIL'  | 500      | 24/12/2013  |
| BAIRD        | NOELIA     | 26/04/2007 | Salbutamol 100micrograms/c       | 2 PUFFS AS REQUIRED      | 200      | 11/10/2013  |
| BALDIE       | MAE        | 29/07/1944 | FreeStyle Lite testing strips (/ | AS DIRECTED              | 50       | 30/01/2014  |
| BANKS        | DEBRA      | 18/07/1947 | Hydroxocobalamin 1mg/1ml i       | 1ML INJECTION 3 MONTHL   | 10       | 21/02/2014  |
| BARCLAY      | HORATIO    | 27/06/1972 | Dovobet ointment (LEO Phar       | TO BE APPLIED SPARINGL   | 120      | 07/11/2013  |
| BARNES-WATTS | ROSALIE    | 08/01/1981 | Beclomethasone 50microgram       | ONE PUFF TWICE A DAY     | 200      | 09/01/2014  |
| BARRIE       | KRIS       | 12/10/1940 | Tiotropium bromide 18microg      | INHALE 1 DOSE ONCE DAIL  | 60       | 14/11/2013  |
| BASQUILL     | AMBER      | 17/06/1928 | Scholl Softgrip class 1 below l  | WEAR DAILY FOR ANKLE S   | 2        | 29/11/2013  |
| BASQUILL     | EOSAPH     | 22/11/1935 | Glyceril trinitrate 400microgr   | ONE PUFF AS NEEDED       | 180      | 14/11/2013  |
| BIRRELL      | ALISON     | 16/10/1931 | Macrogol compound oral pow       | 1 DAILY                  | 30       | 22/01/2014  |
| BISSET       | ALYSON     | 28/04/1950 | Amitriptyline 10mg tablets       | ONE EVERY NIGHT          | 56       | 11/10/2013  |
| BISSET       | ALYSON     | 28/04/1950 | Citrus Fresh adhesive remov      | AS NEEDED                | 100      | 29/01/2014  |
| BLACKHURST   | KERRY-ANNE | 20/10/2008 | Clenil Modulite 50microgram      | 1 PUFF TWICE A DAY       | 2        | 14/11/2013  |
| BLACKHURST   | KERRY-ANNE | 20/10/2008 | Salbutamol 100micrograms/c       | 2 PUFFS AS REQUIRED      | 400      | 14/11/2013  |
| BONI         | JORJIA     | 08/10/1928 | Hydroxocobalamin 1mg/1ml i       | BY IM INJECTION EVERY 3' | 5        | 18/12/2013  |
| BOWERN       | LEVIS      | 11/01/1942 | Hydroxocobalamin 1mg/1ml i       | WEEKLY THEN EVERY THF    | 5        | 08/10/2013  |
| BOWLER       | AILSA      | 24/06/1937 | Lansoprazole 15mg gastro-re      | ONE EVERY DAY            | 56       | 19/01/2014  |
| BRADY        | AIMIE      | 18/07/1978 | Clenil Modulite 200microgran     | INHALE 1 DOSE TWICE DAI  | 200      | 30/11/2013  |
| BRADY        | AIMIE      | 18/07/1978 | Salbutamol 100micrograms/c       | 2 PUFFS AS REQUIRED      | 400      | 30/11/2013  |
| BURNS        | RIACH      | 01/10/1952 | Lisinopril 5mg tablets           | ONE EVERY DAY            | 56       | 24/03/2014  |
| BURNSIDE     | VIMAL      | 27/08/1952 | Sumatriptan 50mg tablets         | TAKE ONE AS DIRECTED     | 6        | 21/03/2014  |
| CALVERT      | LOUISE     | 29/03/1966 | Cetirizine 10mg tablets          | 1 EVERY DAY              | 60       | 04/03/2014  |
| CARY         | CAROL-ANN  | 13/04/1965 | Clenil Modulite 200microgran     | INHALE 1 DOSE TWICE DAI  | 400      | 05/03/2014  |
| CARY         | CAROL-ANN  | 13/04/1965 | Phenoxymethylpenicillin 250r     | 2 A DAY                  | 112      | 05/03/2014  |
| CARY         | CAROL-ANN  | 13/04/1965 | Salbutamol 100micrograms/c       | 2 PUFFS AS REQUIRED      | 400      | 05/03/2014  |
| CHAN         | GIGINA     | 22/05/1952 | FreeStyle lancets 0.5mm/28g      | AS DIRECTED              | 200      | 16/10/2013  |
| CHAPPELL     | CEM        | 08/10/1957 | Glyceril trinitrate 400microgr   | ONE PUFF AS NEEDED       | 180      | 30/10/2013  |
| COLLETT      | RORY       | 16/11/1939 | Glyceril trinitrate 400microgr   | 1 SPRAY AS REQUIRED      | 180      | 07/11/2013  |

The 'Data tables' tab lists the non-issued active repeat items for the selected period, it also shows the date the item was last issued.

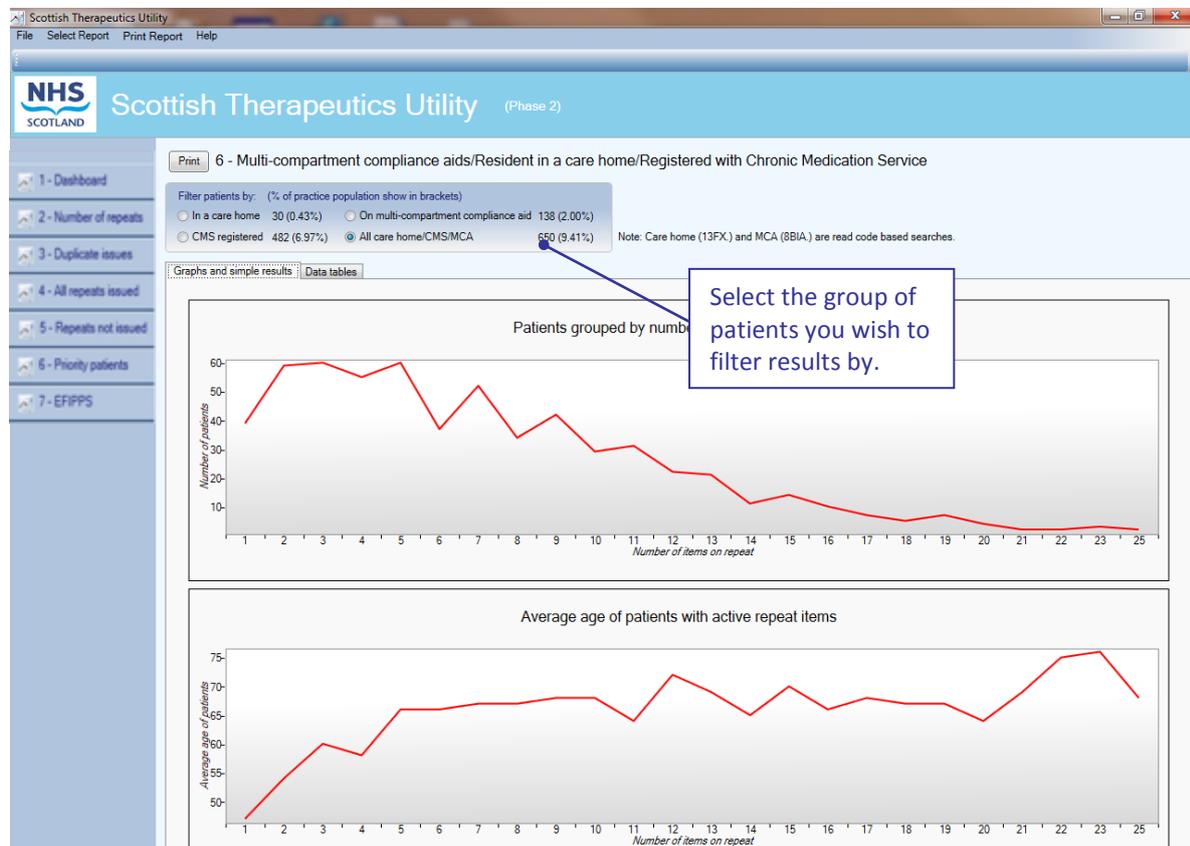
**Note:** The data table default period in which active repeat items were not issued is 18-24 months. To change this just click on the relevant radio button and the data table will automatically refresh.

You can sort the data by item name for easy initial review. Click on "item name" at the top of the table to sort the items alphabetically this way.

For more comprehensive review, you can also filter the data by BNF chapter. Simply click on the drop down arrow, select the relevant chapter and then click on Recalculate.

## Report 6: Priority patient groups

### Multi-compartment compliance aids/Resident in a care home/Registered with Chronic Medication Service



#### Simple results

The results display the number of patients Read coded as being resident in a care home, Chronic Medication Service (CMS) registered, or Read coded as having medication dispensed in a multi-compartment compliance aid, and the total combined number of patients. The percentage of the practice population this represents is shown in brackets.

#### Graphs

By selecting the desired patient group using the radio button the graphs will display the following:

**Graph 1:** The number of patients with a specified number of active repeat items, for the selected group of patients.

**Graph 2:** The average age of patients with a specified number of active repeat items, for the selected group of patients.

It should be noted that with the exception of CMS registration which utilises the ePharmacy message, this information is reliant on Read coding within your clinical system. MCA (8BIA.) and Care home (13FX. – 13F6. – 13F61 – 13FK. – 13F72 – 13FT. – 13F7. – 13FK.)

Data tables

Print 6 - Multi-compartment compliance aids/Resident in a care home/Registered with Chronic Medication Service

Filter patients by: (% of practice population show in brackets)

In a care home 30 (0.43%)  On multi-compartment compliance aid 138 (2.00%)

CMS registered 482 (6.97%)  All care home/CMS/MCA 650 (9.41%)

Note: Care home (13FX) and MCA (8BIA) are read code based searches.

Graphs and simple results Data tables

Patients grouped by number of active repeat items

| No of repeat items | No of patients | % of practice population | % of patients with repeat items | Average age of patients |
|--------------------|----------------|--------------------------|---------------------------------|-------------------------|
| 1                  | 39             | 0.57                     | 1.23                            | 47                      |
| 2                  | 59             | 0.87                     | 1.86                            | 54                      |
| 3                  | 60             | 0.88                     | 1.89                            | 60                      |
| 4                  | 55             | 0.81                     | 1.73                            | 58                      |
| 5                  | 60             | 0.88                     | 1.89                            | 66                      |
| 6                  | 37             | 0.54                     | 1.16                            | 66                      |
| 7                  | 52             | 0.77                     | 1.64                            | 67                      |
| 8                  | 34             | 0.50                     | 1.07                            | 67                      |
| 9                  | 42             | 0.62                     | 1.32                            | 68                      |
| 10                 | 29             | 0.43                     | 0.91                            | 68                      |
| 11                 | 31             | 0.46                     | 0.98                            | 64                      |
| 12                 | 22             | 0.32                     | 0.69                            | 72                      |

| Surname    | Forename | Date of birth | Pharmacy |
|------------|----------|---------------|----------|
| BABRE      | CHARLES  | 25/07/1948    | Boots    |
| BENNETT    | JOE      | 21/11/1929    | Pharmacy |
| BROWNLEY   | TORBEN   | 23/07/1929    | BOOTS 2  |
| CORCORAN   | JORDAN   | 13/07/1934    | BOOTS 2  |
| DIFFUS     | CARRIE   | 29/04/1956    | Boots    |
| GRIEVE     | MACIEK   | 01/10/1964    | Boots    |
| GRISMANOVA | AMJAD    | 30/07/1952    | Boots    |
| HERON      | NICO     | 15/12/1968    | Boots    |
| HOLMES     | FLORIAN  | 07/08/1934    | Boots    |

| Item name   | Dosage               | Quantity | Last issued |
|---|----------------------|----------|-------------|
| Aspirin 75mg dispersible tablets                        | 1 EVERY DAY          | 56       | 19/06/2015  |
| Bisoprolol 1.25mg tablets                               | ONE DAILY            | 56       | 06/06/2015  |
| FreeStyle Lite testing strips (Abbott Laboratories Ltd) | 1 AS REQUIRED        | 50       | 17/07/2014  |
| Gliclazide 30mg modified-release tablets                | 4 TABLETS DAILY      | 224      | 28/04/2015  |
| Lisinopril 10mg tablets                                 | ONE EVERY DAY        | 56       | 16/06/2015  |
| Metformin 500mg modified-release tablets                | 4 TABLETS ONCE DAILY | 224      | 06/06/2015  |
| Mobile cassette (Roche Diagnostics Ltd)                 | AS DIRECTED          | 100      | 19/06/2015  |
| Omeprazole 20mg gastro-resistant capsules               | TWO EVERY DAY        | 56       | 19/06/2015  |

The 'Data tables' tab lists the number of active repeat items the selected group of patients are on.

It also shows how many patients are on the selected number of active repeat items and what percentage this represents of both the practice population and of the total number of patients with active repeat items.

Finally, it shows the average age of patients with the selected number of active repeat items.

For example, in the above table, there are 34 patients who have 8 active repeat items, representing 0.5% of the practice population and 1.07% of all patients with active repeat items. The average age of patients with 8 active repeat items is 67 years.

**Note:** The tables below show the drill down of the individual patients' names, and details of the repeat items prescribed for the selected patient.

The default patient group shown is 'All care home/CMS/MCA'. To select a specific patient group, click on the relevant radio button and the tables will take a few moments to refresh.

## Report 7: Effective Feedback to Improve Primary Care Prescribing Safety (EFIPPS)

The screenshot shows the 'Scottish Therapeutics Utility' interface. The main content area is titled '7 - EFIPPS (Pilot)'. It features a 'Filter patients by:' section with two radio buttons: 'All people who meet the indicator criteria' (selected) and 'People who meet the indicator criteria, and have not been reviewed in the last 12 months'. A note states: 'Note: Reviews (8B31B) are based on a read code search.' Below this is a 'Simple results' section with a 'Data tables' tab. Six indicators are listed, each with a number of patients and a percentage of a specific population. The indicators are:

- Older person (>=75yrs) prescribed oral antipsychotic: 7 patients, 11.5% of all people aged 75yrs+ prescribed any medicine.
- Older person (>=65yrs) prescribed antiplatelet and NSAID without gastroprotection: 6 patients, 54.5% of all people aged 65yrs+ prescribed an antiplatelet + an NSAID.
- Older person (>=65yrs) prescribed ACEI/ARB and diuretic and NSAID: 5 patients, 71.4% of all people aged 65yrs+ prescribed ACEI/ARA + diuretic.
- Person prescribed oral anticoagulant and NSAID without gastroprotection: 4 patients, 28.6% of all people prescribed an oral anticoagulant + an NSAID.
- Older person (>=75yrs) prescribed NSAID without gastroprotection: 7 patients, 63.6% of all people aged 75yrs+ prescribed an NSAID.
- Person prescribed oral anticoagulant and antiplatelet without gastroprotection: 6 patients, 40.0% of all people prescribed an oral anticoagulant + an antiplatelet.

### Simple results

The dashboard shows a summary of the number of patients identified for each of the EFIPPS indicators with the percentage these patients represent against a specific practice subset. Users can click on the hyperlinks for each medicine indicator to view information about the specific medicines included in each class. By clicking on the radio buttons users can filter the lists to exclude patients already coded for a Polypharmacy Medication Review (8B31B).

### Data Tables

Users can either click on the indicator names to access patient level information for that particular indicator or click on the 'Data tables' tab.

**7 - EFIPPS (Pilot)**

Filter patients by:  
 All people who meet the indicator criteria  
 People who meet the indicator criteria, and have not been reviewed in the last 12 months

Note: Reviews (88316) are based on a read code search.

Simple results | Data tables

**Patients grouped by indicator**

| Indicator Title  | No of patients | % of patients |
|--|----------------|---------------|
| 01 - Older person (>=75yrs) prescribed oral antipsychotic                                    | 7              | 11.5          |
| 02 - Older person (>=65yrs) prescribed ACEI/ARB and diuretic and NSAID (the 'triple whammy') | 5              | 71.4          |
| 03 - Older person (>=75yrs) prescribed NSAID without gastroprotection                        | 7              | 63.6          |
| 04 - Older person (>=65yrs) prescribed antiplatelet and NSAID without gastroprotection       | 6              | 54.5          |
| 05 - Person prescribed oral anticoagulant and NSAID without gastroprotection                 | 4              | 30.8          |
| 06 - Person prescribed oral anticoagulant and antiplatelet without gastroprotection          | 6              | 40.0          |

| Surname | Forename        | CHI Number | Pharmacy                     |
|---------|-----------------|------------|------------------------------|
| Hackett | Maggie Ann      |            |                              |
| Jones   | Fauzia          |            |                              |
| Medley  | Asfa            |            |                              |
| Smith   | Alasdair Andrew |            | (houlihan) Boots Cardonald,1 |
| Smith   | Mamoun          |            |                              |

| Item name                | Dosage                            | Quantity | Last issued |
|--------------------------|-----------------------------------|----------|-------------|
| Furosemide Tablets 40 mg | 1M                                | 56       | 04/07/2016  |
| Ibuprofen Tablets 400 mg | ONE TO BE TAKEN THREE TIMES A DAY | 56       | 04/07/2016  |
| Ramipril Capsules 5 mg   | 1M                                | 56       | 04/07/2016  |

The top section of the dashboard lists all of the EFIPPS indicators with summary figures. Users can then click on the required indicator to drill down into patient specific information and also view each patient’s active repeats and any acutes issued in the last 84 days. Acute items are identified by “(a)” preceding the drug name.

| Surname | Forename  | CHI Number | Pharmacy |
|---------|-----------|------------|----------|
| Ali     | Francisco |            |          |
| Hambrey | Steven A  |            |          |
| Medley  | Asfa      |            |          |
| Smith   | Babou     |            |          |
| Smith   | Mamoun    |            |          |
| Thakur  | Brandon A |            |          |

Users can access a further three functions by right clicking on the selected patient’s name.

**Open in EMIS / Vision:** This will directly open the patient’s record on the practice clinical system.

**View items issued:** This will display the patient’s prescribed information in a grid format.

**Export grid to excel:** This will export the details of all of the patients listed within the indicator.

## EScro Data Pump

**Note:** This information is largely aimed at users making technical changes to the practice's IT setup. Further information can be found by viewing the install guide at [www.escro.co.uk](http://www.escro.co.uk)

The Scottish Therapeutics Utility runs against a reporting database created by the EScro Data Pump. The Data Pump creates a small high speed reporting database which extracts the information from the clinical system. This in turn allows STU to run against the data without having any impact on the clinical system itself and other users.

The Data Pump is usually installed on the GPC machine for Vision users, or on the server for EMIS users. It normally runs overnight on a scheduled task, ensuring that the data is refreshed daily. If the Data Pump is not on a scheduled task, it can be run manually by doing the following:

**Vision users** – go to the GPC machine, look on the desktop for the 'EScro snapshot' icon, double click and leave to run and close automatically.

**EMIS users** – go to the server, look for the 'EScro EMIS Data Pump' icon, double click to open, and then click on 'Run' and leave to run and close automatically.

You can use **Help | About** on the STU application to check the Data Pump and database details. 'About' information shows the name of the server and reporting database that STU runs against. It also shows when the Data Pump last ran, and which version is installed.

