**NIC v GIC Project Plan – August 2014**

**Customers: Andrew Lee / Denise Hastie**

**Time Period(s)**

**12 months Financial Year April 2011 – March 2013**

**Deadline: Tuesday 12th August, 2014.**

**Final Output**

Excel spreadsheet with tables and charts showing NIC and GIC cost ratio (proportion) for patients who received dispensed items during the past 12 months by:

* Scottish Health Boards (14) by four Age Classifications (0-64,65-74,75-84,85+)
* Scottish Health Boards by 20 BNF Classifications

Output to be presented in professional manner utilising bar charts by health board. Output to include charts and data for discussion between Health & Social Care Team and the Prescribing Team.

**Business Objects**

Data will be extracted using PIS dataset using Dispensed Prescriptions by Community Pharmacists from the Scanned /DCVP. Data extraction tool to be used - Business Objects.

**Result Objects**:   
Paidfinyear, DIPaidNICexcl.BB, DIPaidGICexclBB, PatHBres9digitcode, Pat-Age-Grp, BNF\_chapter\_desc

**Query Filter**: Paid Fin Year 2012, HBRes (in list 14 Scottish codes), Pat-Age-Grp ( in list 0-64,  
65-74,75-84,85+)

**Prompt**: Age band to be calculated at 30 September 2013 (within Schedule Prompt).

Data extract to be saved and read into SPSS as CSV file.

Initial data extracted using Business Objects will be saved in  
 [\\nssstats01\irf\11-Development team\Dev00-PLICS-files\prescribing\03-data](file:///\\nssstats01\irf\11-Development%20team\Dev00-PLICS-files\prescribing\03-data)

**SPSS**

CSV data file to be read into SPSS for specific analysis by Age Band and BNF Chapter.

Aggregate data at Health Board level. Show total Scotland, Age Bands and BNF Chapters.

[ Check: Frequency - each age band, health board and BNF chapter are showing   
– very unlikely that any would have no dispensed items against them ]

Use temporary command to aggregate for Scotland Total and compute at level required, saving files in appropriate folders.

Compute proportion by dividing GIC cost by NIC cost showing value to two decimal places.

SPSS programs will be saved in   
[\\nssstats01\irf\11-Development team\Dev00-PLICS-files\prescribing\02-programs](file:///\\nssstats01\irf\11-Development%20team\Dev00-PLICS-files\prescribing\02-programs)

SPSS output will be saved in   
[\\nssstats01\irf\11-Development team\Dev00-PLICS-files\prescribing\03-data](file:///\\nssstats01\irf\11-Development%20team\Dev00-PLICS-files\prescribing\03-data)

**Proposed Charts:**

Output to be presented as Charts with appropriate data attached.

1. Dispensed items for Financial Years 2011/13 - NIC and GIC proportional difference by Health Board in Scotland shown as Bar Chart (for BNF Chapters)
2. Dispensed items for Financial Years 2011/13 – NIC and GIC proportional difference by Health Board in Scotland shown as Bar Chart (4 Age Bands)

Final excel output and charts to be saved in   
[\\nssstats01\irf\11-Development team\Dev00-PLICS-files\prescribing\04-outputs](file:///\\nssstats01\irf\11-Development%20team\Dev00-PLICS-files\prescribing\04-outputs)

**Assumptions regarding data selection and analysis:**

1. This analysis is using only one year’s data – the most recent financial year?
2. Prescriptions with unknown patient details will not be included (approximately 6% of total dispensed prescriptions) based on previous analysis.
3. Age bands will be based on the following four classifications
   1. 0-64,65-74,75-84,85+
4. No need to select patient CHI as the analysis is at Board level. There is no further analysis at individual level.

**Housekeeping**

Erase all files within SPSS other than specific files required for possible future analysis.

Sense check data against Summary Statistics

<https://isdscotland.scot.nhs.uk/Health-Topics/Prescribing-and-Medicines/Publications/2014-03-25/Calendar_year_2013_Mar14_release.xls>