

A Guide to the Underlying Data (csv)

NICE Technology Appraisals in the NHS in
England (Innovation Scorecard)

Information and technology
for better health and care

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A guide to the underlying data

NHS Digital makes available the underlying data of the Innovation Scorecard publication in a series of comma-separated variable (csv) files. NHS Digital is leading the way in health open data and, wherever possible, releasing the data underpinning all of our publications and encouraging their innovative use.

Presentation of the data

The data has been released in csv files as these are simply tabulated data expressed in plain text, which are ideal for computer applications due to the lack of formatting. csv files are widely recognised by computer applications and software packages, and their structure enables automatic import with minimal effort on behalf of the user.

File structure

9.csv files are released, grouped into two .zip files:

Purchase and use of medicines csv files (... UtilisationPurchaseCSV)

- Trust level data for medicine purchase data of medicines extracted from the Pharmex database held by the Commercial Medicines Unit (CMU) in the Department of Health (DH)
- National level data for medicine use – national level prescribing data for medicines
- Regional level data for medicine use – regional level prescribing data for medicines
- CCG level data for medicine use – Clinical Commissioning Group (CCG) level prescribing data for medicines

Grouped medicines csv files (... GrpDataCSV)

- National level data for grouped medicines use – national prescribing data for medicines used to treat the following conditions:
 - Acute coronary syndrome
 - Diabetes
 - Multiple sclerosis
 - NOAC medicines used in Primary Care
- Regional level data for grouped medicines use – regional prescribing data for medicines used to treat the following conditions:
 - Acute coronary syndrome

- Diabetes
- Multiple sclerosis
- NOAC medicines used in Primary Care
- CCG level data for grouped medicines use – CCG prescribing data for medicines used to treat the following conditions:
 - Acute coronary syndrome
 - Diabetes
 - Multiple sclerosis
 - NOAC medicines used in Primary Care
- National level data for grouped NOAC medicines used in Secondary Care – national prescribing data for NOAC medicines used in Secondary Care
- Regional level data for grouped NOAC medicines used in Secondary Care – regional prescribing data for NOAC medicines used in Secondary Care

Structure of the data

All files share a common structure, with the exception of data for grouped NOAC medicines used in Secondary Care. Definitions of these variables are found below:

Variables for all files

No.	Variable Name	Definition	Values
1.	Year	Financial Year	e.g. 2013_14
2.	Quarter	Financial Quarter	1 = 1st April to 30th June 2 = 1st July to 30th September 3 = 1st October to 31st December 4 = 1st January to 31st March
3.	Year_Quarter	Financial Year and Quarter	e.g. 2013/14 Q1 = 1 st April 2013 to 30 th June 2013

Variables for all files

No.	Variable Name	Definition	Values
4.	data_type	This indicates the data type	National utilisation – national level prescribing data Regional utilisation – Regional level prescribing data CCG utilisation – clinical commissioning group level prescribing data Trust Purchase data HES – Hospital Episodes Statistics – number of finished consultant episodes (FCE) of care
5.	data_source	This indicates the source of the data. This can be from an existing data set.	FP10 = ePACT Primary Care data FP10HP = ePACT data prescribed in hospitals, dispensed in the community HPAI = Hospital prescribing data Pharmex data HES = Hospital Episode Statistics Or from industry, in which case the manufacturer supplying the data will be named.
6.	treatment_type	This indicates the type of treatment	Medicine MedTech = Medical Technology
7.	treatment_name	The name of the treatment or the treatment group	
8.	provider_code	This is the code of the provider, where the provider is the level of geographical breakdown	Region Code CCG Code Trust Code
9.	provider_name	This is the name of the provider, where the provider is the level of geographical breakdown	Region Name CCG Name Trust Name

Variables for all files

No.	Variable Name	Definition	Values
10.	numerator	This figure will indicate the volume used or the amount purchased	
11.	numerator_unit	This is the unit of the numerator	Defined Daily Dose (DDD) Actual Daily Dose (ADD) mgs units vials intervention pads tablets etc.
12.	high_level_condition	This indicates the high level condition that the medicine is used to treat	Alcohol dependence Allergy Anaemia Asthma Atrial fibrillation Auto-immune conditions Cancer Chronic migraine Constipation Cystic fibrosis Diabetes Eye conditions Heart disease Hepatitis C Idiopathic pulmonary fibrosis Kidney disease Overactive bladder Platelet Disorders etc.

Variables for all files with the exception of data for grouped medicines NOACs in Secondary Care

No.	Variable Name	Definition	Values
13.	denominator	This is the figure that is used to standardise the numerator.	
14.	denominator_unit	This is the unit of the denominator	Population FCE days of hospital care etc.
15.	value	This is the standardised figure for use	
16.	value_unit	This is the unit of the standardised figure for use	Tablets per 100,000 population DDD per 100,000 population Vials per 100,000 population mgs per 100,000 FCE days hospital care etc.

Variables for grouped medicine NOACs medicines in Secondary Care only

No.	Variable name	Definition
13.	expected_days_of_treatment	Days of treatment with NOACs calculated from the number of hip and knee replacements undertaken and the average days of treatment as specified in the NICE guidance.
14.	expected_upper_range	Upper range of expected days of treatment with NOACs calculated from the number of hip and knee replacements undertaken and the maximum days of treatment as specified in the NICE guidance.
15.	expected_lower_range	Lower range of expected days of treatment with NOACs calculated from the number of hip and knee replacements undertaken and the minimum days of treatment as specified in the NICE guidance.
16.	ratio_observed:expected	Ratio of observed ADDs to calculated expected days of treatment
17.	upper_ratio_observed:expected	Ratio of observed ADDs to calculated upper range expected days of treatment
18.	lower_ratio_observed:expected	Ratio of observed ADDs to calculated lower range expected days of treatment