

Basic Instructions

Have your system export your paediatric data in Comma Separated Value format (CSV), the default file for import into the CCAD Paediatric database is 'paeds.CSV', but this can be renamed to anything you require, and re-typed when presented with the import dialog box within the CCAD Paediatrics database.

CSV Required Format

The file is a CSV file. All values (even empty ones) must be enclosed in quotes (""), and values must be separated with a comma. Multi-value fields (such as procedure or diagnosis) values must be separated using a semi-colon.

Each line (record) of the file must be properly terminated with a CRLF (carriage return and line feed, ASCII characters 13 and 10 in decimal, 0D and 0A in hex).

Each line (record) is made up of 40 variables (fields) in the prescribed order.

Format Example : "value 1","value 2a; values 2b; value 2c","value3","",....."value 39","value 40"

Note:

2a; 2b; 2c represent multi-value values.

A complete list of variables and their import order can be found at the end of this document, under 'Import Order'.

Mandatory Fields

The following fields are mandatory, your record/s will not import without these.

Hospital - Hospital identifier (1), this must match your 3 letter hospital code found in your Lotus Notes ID.

HospitalNumber - Patient Case Record Number (2)

ProcedureDate – dd/mm/yyyy (17)

Note:

The brackets indicate the position of the item in your .CSV file.

Record Keys

The following combination of variables are used to determine if a record/s already exist in the CCAD database, if any part of this key has changed for a particular record in your source database, it may result in a duplicate record being created.

Patient Key = Hospital identifier (1) + HospitalNumber (2)

Procedure Key = Hospital identifier (1) + HospitalNumber (2) + ProcedureDate (17) + PrimaryProcedure (25)

Note:

For PrimaryProcedure (25), you may import multiple procedures; these must be separated using semi-colon/s.

Importing and Updating Existing Records

You may import data already in the CCAD Paediatric database. The import script use the key generated (see above for key definitions) for each record and attempt to match it against existing record keys in the database, if it finds a match (i.e. the record already exists), it will check to see if any data has changed, if so, it will modify the existing record. If no data has changed, it will leave the record untouched. If a key match is not found, this will indicate a new record, and one will be created.

Note:

If you change any part of the key in your source data, for example, you change your Procedure Codes, this will result in a different key to what CCAD has on file and will result in a new record.

Dataset

Full details about the legal values for the fields can be found in the dataset, www.ccad.org.uk

Import Order

The first number is the position of the variable followed by a comma then a tab, the next number is the dataset number, then a hyphen, followed by the field description, followed by a full stop then the datatype.

Details about the legal values for the fields can be found in the dataset, www.ccad.org.uk

- 1, 1.01 - Hospital - Hospital identifier. Text (single value)
- 2, 1.02 - HospitalNumber - Patient Case Record Number. Text (single value)
- 3, 1.03 - NHSNumber - NHS Number. Text (single value)
- 4, 1.04 - Surname - Patient Surname. Text (single value)
- 5, 1.05 - Forename - Patient Forename. Text (single value)
- 6, 1.06 - Dateofbirth - Patient Date of Birth. Date (dd/mm/yyyy)
- 7, 1.07 - Gender - Patient Gender. Text (single value)
- 8, 1.08 - Ethnicgroup - Patient Ethnic Group. Text (single value)
- 9, 1.09 - PatientStatus - Patient Admin status. Text (single value)
- 10, 1.10 - FullPostCode - Patient Post Code. Text (single value)
- 11, 2.01 - Diagnosis1 - Diagnosis. Text (multivalue ; separated)
- 12, 2.03 - Weight - Weight. Numeric (real)
- 13, 2.04 - AntenatalDiagnosis - Antenatal Diagnosis. Text (single value)
- 14, 2.05 - PreProcedureSeizures - Pre-procedure seizures. Text (single value)
- 15, 2.06 - PreProcedurePCPC - Pre-procedure PCPC. Text (single value)
- 16, 2.07 - ComorbidConditions - Comorbid conditions. Text (single value)
- 17, 3.01 - Procedure Date (for all other datasets). DateTime (dd/mm/yyyy hh:mm)
- 18, 3.02 - consultant - Consultant Responsible for Procedure. Text (single value)
- 19, 3.03 - Operator1 - First operator. Text (single value)
- 20, 3.04 - Operator1Status - First operator grade. Text (single value)
- 21, 3.05 - Operator2 - First assistant. Text (single value)
- 22, 3.06 - Operator2Status - First assistant grade. Text (single value)
- 23, 3.07 - ProcedureType - Type of Procedure. Text (single value)
- 24, 3.08 - SternotomySequence - Sternotomy sequence. Text (single value)
- 25, 3.09 - PrimaryProcedure - Operation performed. Text (multivalue ; separated)
- 26, 3.10 - BypassTime - Total bypass time. Numeric (integer)
- 27, 3.11 - XClampTime - Total bypass cross clamp time. Numeric (integer)
- 28, 3.12 - CircArrestTime - Total circulatory arrest time. Numeric (integer)
- 29, 3.13 - CathProcTime - Catheter procedure duration. Numeric (integer)
- 30, 3.14 - CathFluroTime - Total fluoroscopy time. Numeric (integer)
- 31, 3.15 - CathFluroDose - Total fluoroscopy dose. Numeric (integer)
- 32, 3.16 - ProcedureComment - Operation report/comment. Text (single value)
- 33, 3.17 - BenchmarkProcedure - Is this a benchmark procedure?. Text (single value)
- 34, 4.01 - DateOfDischarge - Date of Discharge. Date (dd/mm/yyyy)
- 35, 4.02 - DateOfDeath - Date of Death. Date (dd/mm/yyyy)
- 36, 4.03 - DischargeStatus - Discharge status. Text (single value)
- 37, 4.04 - DischargeDestination - Discharge destination. Text (single value)
- 38, 4.05 - PostProcedureSeizures - Post-procedure seizures. Text (single value)
- 39, 4.06 - PostProcedurePCPC - Post-procedure PCPC. Text (single value)
- 40, 4.07 - DurationPostOpIntubation - Duration of post-operative intubation. Numeric (integer)

Format of an export file:

```
"value 1","value 2a; values 2b; value 2c","value3","",....."value 39","value 40"  
"value 1","value 2a; values 2b; value 2c","value3","",....."value 39","value 40"  
"value 1","value 2a; values 2b; value 2c","value3","",....."value 39","value 40"
```

Note:

Empty quotes ("") to highlight how to handle empty values.

..... signifies the continuation of the values.