

# DASC 509

## Assignment 1 Data

You should now find the data tables for assignment 1 of DASC 509 inside your area of postgresSQL (pgAdmin) where you could find the other 8 SQL tables from the module (e.g. gpappointments, gpoutcomes, patientdemographics, etc.). The assignment 1 tables all have a prefix of 'cprdsyn\_' and contain a subset of data from one of the synthetic CPRD databases. This subset consists of nine tables. Three tables contain patient specific information, while the other six tables are codelists. Summary information (for Q3) is not required for the six codelists. For Q5, it may be useful for you to consider using views or temporary tables.

Descriptive tables for the three patient-level tables can be found in Tables A1-A3. Descriptive tables for the codelists can be found in Tables A4-A9.

**Table A1:** Description of fields in the patient table (cprdsyn\_patient).

Field name	Description	Mapping	Data Type
patsid	Patient ID (Encrypted unique identifier given to a patient in the synthetic database.)	None	-
pracid	Practice ID (Encrypted unique identifier given to a patient in the synthetic database.)	See <b>cprdsyn_practice</b> table	INTEGER
gender	Code for patient's gender.	See <b>cprdsyn_gender</b> table	INTEGER
emis_ddate	Date of death as recorded in the EMIS® software.	None	DATE
patienttypeid	Patient type (The category that the patient has been assigned to e.g. private, regular, temporary. )	See <b>cprdsyn_patienttype</b> table	INTEGER
acceptable	Acceptable flag (Indicates whether the patient has met certain quality standards: 1 =acceptable, 0 = unacceptable.)	None	INTEGER
regstartdate	Registration start date (The date that the patient registered with the CPRD contributing practice.)	None	DATE
dob	Patient's date of birth. (Only year and month (if under 16) is provided from the synthetic data. Otherwise, months and all days have been imputed with 1st day and 1st month.)	None	DATE
ageatreg	Age at registration (Patient's age when they registered at the CPRD contributing practice.)	None	INTEGER

**Table A2:** Description of fields in the observation table (*cprdsyn\_observation*).

Field name	Description	Mapping	Data Type
patsid	Patient ID (Encrypted unique identifier given to a patient in the synthetic database.)	None	-
obsid	Observation ID (Unique identifier given to the observation.)	None	-
obsdate	Event date (Date associated with the event.)	None	DATE
enterdate	Entered date (Date the event was entered into EMIS Web®.)	None	DATE
medcodeid	Medical code - Diagnosis (CPRD unique code for the medical diagnosis selected by the GP)	See <b>cprdsyn_md</b> table	INTEGER

**Table A3:** Description of fields in the medication table (*cprdsyn\_medication*).

Field name	Description	Mapping	Data Type
patsid	Patient ID (Encrypted unique identifier given to a patient in the synthetic database.)	None	-
issuedate	Date of issue (Date when a medication/treatment was issued.)	None	DATE
enterdate	Entered date (Date the event was entered into EMIS Web®.)	None	DATE
prodcodeid	Product code (Unique CPRD code for the treatment selected by the GP)	See <b>cprdsyn_pd</b> table	INTEGER
quantity	Total quantity entered by the GP for the prescribed treatment	None	INTEGER
duration	Duration of the treatment in days	None	INTEGER

**Table A4:** Description of fields in the practice codelist (*cprdsyn\_practice*).

Field name	Description	Mapping	Data Type
pracid	Practice ID (Encrypted unique identifier given to a patient in the synthetic database.). Links to the <b>patient</b> table.	None	INTEGER
region	Code for region of the UK.	See <b>cprdsyn_region</b> table	INTEGER

**Table A5:** Description of fields in the region codelist (*cprdsyn\_region*).

Field name	Description	Mapping	Data Type
region	Code for region of the UK. Links to the <b>practice codelist</b> table.	None	INTEGER
description	Name of the region of the UK.	None	CHARVAR

**Table A6:** Description of fields in the gender codelist (cprdsyn\_gender).

Field name	Description	Mapping	Data Type
genderid	Code for patient's gender. Links to the <b>patient</b> table.	None	INTEGER
description	Patient's gender	None	CHARVAR

**Table A7:** Description of fields in the patient type codelist (cprdsyn\_patienttype).

Field name	Description	Mapping	Data Type
patienttypeid	Code for patient type (The category that the patient has been assigned to e.g. private, regular, temporary. ). Links to the <b>patient</b> table.	None	INTEGER
description	Patient type category name.	None	CHARVAR

**Table A8:** Description of fields in the medical dictionary (diagnosis) codelist (cprdsyn\_md).

Field name	Description	Mapping	Data Type
medcodeid	Medical code - Diagnosis (CPRD unique code for the medical diagnosis selected by the GP). Links to the <b>observation</b> table.	None	INTEGER
term	Description of the observation associated with the medcodeid (i.e. description of the diagnosis)	None	CHARVAR
originalreadcode	The original Read code text as provided in the EMIS® dictionary (contains codes which are not valid Read codes)	None	CHARVAR
cleansedreadcode	CPRD-cleaned and validated version of the originalreadcode	None	CHARVAR
snomedctconceptid	The SNOMED CT concept identifier associated with the observation	None	INTEGER
snomedctdescriptionid	The SNOMED CT description identifier associated with the observation	None	INTEGER

**Table A9:** Description of fields in the product dictionary (medications/treatments) codelist (cprdsyn\_pd).

Field name	Description	Mapping	Data Type
prodcodeid	Product code (Unique CPRD code for the treatment selected by the GP). Links to the <b>medication</b> table.	None	INTEGER
termfromemis	Description of the treatment provided by EMIS® associated with the prodcodeid	None	CHARVAR
productname	Name of the product (if one given)	None	CHARVAR
formulation	Formulation of the product	None	CHARVAR
routeofadministration	Route of administration for the product	None	CHARVAR
drugsubstance	Active ingredient(s) included in the product. For combination therapies, each component is listed, separated by /	None	CHARVAR
substancestrength	Strength of each active ingredient listed in the drugsubstance column, including units. Separated by / if more than 1	None	CHARVAR