

Change Request

NHS Connecting for Health

NHS Data Model and Dictionary Service

Reference:	Change Request 833
Version No:	1.0
Subject:	Introduction of CDS Data Element use and validation table
Type of Change:	Changes to NHS Data Model and Dictionary supporting information
Effective Date:	31 December 2007
Reason for Change:	The CDS element matrix is a table detailing the use and validation of data elements for the CDS v6 and XML schema.

Background:

A new Supporting Information page within the NHS Data Dictionary is being introduced following the publication of DSCN 14/2007: Introduction of the Commissioning Data Set Version 6 Schema.

The new table details all the data elements used in CDS version 5 and CDS version 6, and shows the format and validation applied to each, for submission of data to the Secondary Uses Service.

This will provide provider organisations with a more detailed summary of the validation requirements for each data element for the two versions of the CDS, and also provides an easy way to see the differences between the two CDS versions. CDS version 6 has more stringent validation applied, and it is particularly difficult to represent the required conditional validation within the flat structure of the data sets as currently shown in the Data Dictionary.

Some items are included in the schema that have not yet been approved by the Information Standards Board for central submission via the CDSs. These are:

1. New CDS type 021 Future Outpatient has been introduced (for optional submission) to reinstate NWCS functionality allowing submission of future attendance data. CDS Type 021 is known as Future Care Activity in the CDS v6 XML Schema (see DSCN 14/2007). It is identical in structure to CDS type 020 (with necessary differences in optionality of individual data elements) to minimise implementation overhead. There is an associated change to the attribute ATTENDED OR DID NOT ATTEND, to introduce a value indicating a future attendance.

Following consultation, piloting and proof that all items are appropriate, this CDS will be available for referrals without appointments, future scheduled appointments and cancelled appointments where the appointment date is in the future. In the interim it is recommended this CDS type is only used for piloting.

2. **Lead Care Activity Indicator** - this data element is undefined, must not be submitted and should not flow in the CDSs
3. **Location Type** - the definition and value list for this data element is under review. Dependent on the review findings changes may be piloted and then approved. Until that time this data element should not flow in the CDSs
4. **Administrative Category (At Start of Episode)** and **Legal Status Classification Code (At Start of Episode)** - these data elements have not been piloted and therefore should not flow in the CDSs

Summary of changes:

Supporting Information

[CDS ELEMENT LIST](#) New Supporting Information

Date: 29 May 2007

Sponsor: Department of Health; NHS Connecting For Health; Information Centre for Health & Social Care

Note: New text is shown with a blue background. Deleted text is crossed out. Within the Diagrams deleted classes and relationships are red, changed items are blue and new items are green.

CDS ELEMENT LIST

Change to Supporting Information: New Supporting Information

[CDS element list](#)

CDS Element list

of Period - New
Service

of Period - Old
Service

of Period -
Available/Unavailable

of Period -
Offer

of Period -
Remove

of Period -
Add

of Period -
New

of Period -
Old

of Period -
Standard

170 Detained and-or long term psychiatric census

160 Other
Delivery

150 Other
Birth

Delivery

General

Birth

Delivery

General

Birth

Out-Patient
t

020 Out-
Patient

010 Accident and Emergency Attendance

CDS INTERCHANGE TIME OF PREPARATION CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V5:6	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	
CDS MESSAGE REFERENCE CDS 'Header' and 'Trailer' Data Item, mandatory dependent upon Bulk or Net Protocol	V5:6	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	
CDS MESSAGE TYPE CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol Also used as a mandatory XML Attribute	V5:6	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	
CDS MESSAGE VERSION NUMBER CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V5:6	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	
CDS PRIME RECIPIENT IDENTITY CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V6	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	
CDS PROTOCOL IDENTIFIER CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol Also used as a mandatory XML Attribute	V5:6	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	
CDS REPORT PERIOD START DATE CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V5:6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	
CDS REPORT PERIOD END DATE CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V5:6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	FC S6	
CDS SENDER IDENTITY CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V6	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	FM S5	
CDS TEST INDICATOR CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V5:6	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	FS2	
CDS TYPE CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol Also used as a mandatory XML attribute	V5:6	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	FM	
CDS UNIQUE IDENTIFIER CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V5:6	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	
CDS UPDATE TYPE CDS 'Header' Data Item, mandatory dependent upon Bulk or Net Protocol	V5:6	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	
CODE OF GP PRACTICE (REGISTERED GMP - ANTENATAL CARE)	V5:6				F		F	F		F	F	F													
CODE OF GP PRACTICE (REGISTERED GMP)	V5:6	F	F	F	F	F	F	F	F	F	F	F	F	F		F	F							F	
COMMISSIONER REFERENCE NUMBER	V5:6																		F						
COMMISSIONING SERIAL NUMBER	V5:6	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR					FR	FR	
CONSULTANT CODE	V5:6		FR	FR	FR	FR	FR	FR	FR	FR				FR				FR	FR					FR	
COUNT OF DAYS SUSPENDED	V5:6														FR			FR	FR					FR	
CRITICAL CARE ACTIVITY CODE	V6				FC	FC	FC	FC	FC	FC															
CRITICAL CARE ADMISSION SOURCE	V6				V	V	V	V	V	V															
CRITICAL CARE ADMISSION TYPE	V6				V	V	V	V	V	V															
CRITICAL CARE DISCHARGE DATE	V5:6				FC	FC	FC	FC	FC	FC															
CRITICAL CARE DISCHARGE DESTINATION	V6				F	F	F	F	F	F															
CRITICAL CARE DISCHARGE LOCATION	V6				F	F	F	F	F	F															
CRITICAL CARE DISCHARGE READY DATE	V6				F	F	F	F	F	F															
CRITICAL CARE DISCHARGE READY TIME	V6				FC	FC	FC	FC	FC	FC															
CRITICAL CARE DISCHARGE STATUS	V6				F	F	F	F	F	F															
CRITICAL CARE DISCHARGE TIME	V5:6				FC	FC	FC	FC	FC	FC															
CRITICAL CARE LEVEL 2 DAYS	V5:6				FR	FR	FR	FR	FR	FR															
CRITICAL CARE LEVEL 3 DAYS	V5:6				FR	FR	FR	FR	FR	FR															
CRITICAL CARE LOCAL IDENTIFIER	V5:6				FC	FC	FC	FC	FC	FC															
CRITICAL CARE SOURCE LOCATION	V6				V	V	V	V	V	V															
CRITICAL CARE START DATE	V5:6				FC	FC	FC	FC	FC	FC															
CRITICAL CARE START TIME	V6				FC	FC	FC	FC	FC	FC															
CRITICAL CARE UNIT BED CONFIGURATION	V6				F	F	F	F	F	F															
CRITICAL CARE UNIT FUNCTION	V5:6				FC	FC	FC	FC	FC	FC															
DATE DETENTION COMMENCED	V5:6															FR									
DECIDED TO ADMIT DATE	V5:6					FR				FR						FR	S1			S1	S1				S1

LABOUR OR DELIVERY ONSET METHOD	V5:6				VR		VR	VR		VR	VR	VR											
LAST DNA OR PATIENT CANCELLED DATE	V5:6		FR	FR										FR		FR	FR					FR	
LAST EPISODE IN SPELL INDICATOR	V5:6				VR	VR	VR	VR	VR	VR													
LEAD CARE ACTIVITY INDICATOR <small>This data element is undefined, must not be submitted and should not flow in the CDSs</small>	V6	†	†	†	†	†	†	†	†	†	†	†	†	†	†	†	†	†	†	†	†	†	
LEGAL STATUS CLASSIFICATION CODE (AT CENSUS DATE)	V5:6															VR							
LEGAL STATUS CLASSIFICATION CODE (AT START OF EPISODE) <small>This data element has not been piloted and therefore should not flow in the CDSs</small>	V6				†	†			†	†													
LEGAL STATUS CLASSIFICATION CODE (ON ADMISSION)	V5:6					VR	VR		VR	VC					VR								
LIVE OR STILL BIRTH	V5:6				VR		VR	VR		VR	VR	VR											
LIVER SUPPORT DAYS	V5:6				FR	FR	FR	FR	FR	FR													
LOCAL PATIENT IDENTIFIER*	V5:6	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR			FR	FR			FR	
LOCAL PATIENT IDENTIFIER (BABY)*	V5:6					F			F		F												
LOCAL PATIENT IDENTIFIER (MOTHER)*	V5:6						F		F	F													
LOCATION CLASS <small>This is currently for piloting purposes.</small>	V5:6		VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	V		V	V					V	
LOCATION TYPE <small>The definition and value list for this data element is under review. Dependent on the review findings changes may be piloted and then approved. Until that time this data element should not flow in the CDSs.</small>	V6		†	†	†	†	†	†	†	†	†	†	†	†		†	†					†	
MAIN SPECIALTY CODE	V5:6		VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR			VR	VR				VR	
MEDICAL STAFF TYPE SEEING PATIENT	V5:6		VR	VR																			
MENTAL CATEGORY	V5:6															VR							
NEONATAL LEVEL OF CARE	V5:6				V	V		V	V														
NEUROLOGICAL SUPPORT DAYS	V5:6				FR	FR	FR	FR	FR	FR													
NHS NUMBER*	V5:6	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC			FC	FC				FC	
NHS NUMBER (BABY)*	V5:6						F			F		F											
NHS NUMBER (MOTHER)*	V5:6				F			F		F													
NHS NUMBER STATUS INDICATOR	V5:6	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM	VM			VM	VM				VM	
NHS NUMBER STATUS INDICATOR (BABY)	V5:6							VC			VC		VC										
NHS NUMBER STATUS INDICATOR (MOTHER)	V5:6				VC			VC			VC												
NHS SERVICE AGREEMENT CHANGE DATE	V5:6															FR	S1	S1	FR			S1	S1
NHS SERVICE AGREEMENT LINE NUMBER	V5:6	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	
NUMBER OF AUGMENTED CARE PERIODS WITHIN EPISODE (retired 1 Apr 2006)	V5 V6=R				F	F	F	F	F	F													
NUMBER OF BABIES	V5:6				VR		VR	VR		VR	VR	VR											
NUMBER OF ORGAN SYSTEMS SUPPORTED (retired 1 Apr 2006)	V5 V6=R				F	F	F	F	F	F													
OFFERED FOR ADMISSION DATE	V5:6															FR		FR	FR		FM S1	FR	
OPERATION STATUS	V5:6		V	V	VR	VR	VR	VR	VR	VR													
ORGANISATION CODE (LOCAL PATIENT IDENTIFIER)	V5:6	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR			FR	FR				FR	
ORGANISATION CODE (LOCAL PATIENT IDENTIFIER (BABY))	V5:6						F			F		F											
ORGANISATION CODE (LOCAL PATIENT IDENTIFIER (MOTHER))	V5:6				F			F		F													
ORGANISATION CODE (PATIENT PATHWAY IDENTIFIER ISSUER)	V6	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	
ORGANISATION CODE (PCT OF RESIDENCE)	V5:6	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	
ORGANISATION CODE (PCT OF RESIDENCE (MOTHER))	V6				F			F		F													
ORGANISATION CODE (CODE OF COMMISSIONER) <small>Numeric Validation is applied in the Schema</small>	V5:6	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR			FR	FR
ORGANISATION CODE (CODE OF PROVIDER)	V5:6	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR			FR	FR
ORGAN SUPPORT MAXIMUM	V6				V	V	V	V	V	V													
ORIGINAL DECIDED TO ADMIT DATE	V5:6															FR		FR	FR			FR	
OUTCOME OF ATTENDANCE	V5:6		VR	V																			

PATIENT CLASSIFICATION	V5:6				VR	VR	VR	VR	VR	VR			VR										
PATIENT NAME	V5:6							LC			LC	LC											
PATIENT PATHWAY IDENTIFIER	V6	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC	FC
PATIENT USUAL ADDRESS*	V5:6	FS3	FS3	FS3	FS3	FS3	FS3	FS3	FS3	FS3	FS3	FS3	FS3	FS3		FS3	FS3					FS3	
PATIENT USUAL ADDRESS (MOTHER)*	V5:6				FS3			FS3			FS3												
PERSON BIRTH DATE*	V6	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR	FR		FR	FR					FR	
PERSON BIRTH DATE (BABY)*	V6							FR			FR		FR										
PERSON BIRTH DATE (MOTHER)*	V6				FR			FR			FR												
PERSON GENDER CURRENT	V5:6	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR	VR		VR	VR					VR	
PERSON GENDER CURRENT (BABY)	V5:6							FR			FR		FR										
PERSON MARITAL STATUS*	V5:6					VC	VC		VC	VC			VC										
PERSON WEIGHT	V6				FR	FR		FR	FR														
POSTCODE OF USUAL ADDRESS*	V5:6	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3	S3		S3	S3					S3	
POSTCODE OF USUAL ADDRESS (MOTHER)*	V5:6				FS3			FS3			FS3												
PREGNANCY TOTAL PREVIOUS PREGNANCIES	V5:6								VR	VR			VR										
PRIMARY DIAGNOSIS (ICD)	V5:6	F	FC	FC	FC	FC	FC	FC	FC	FC			FC										
PRIMARY DIAGNOSIS (READ)	V5:6	F	FC	FC	FC	FC	FC	FC	FC	FC			FC										
PRIMARY PROCEDURE (OPCS)	V5:6	FC	FC	FC	FC	FC	FC	FC	FC	FC			FC	FC		FC	FC					FC	
PRIMARY PROCEDURE (READ)	V5:6	FC	FC	FC	FC	FC	FC	FC	FC	FC			FC	FC		FC	FC					FC	
PRIORITY TYPE	V5:6		VR	VR										VR		VR	VR					VR	
PROCEDURE (OPCS) Known as SECONDARY PROCEDURE (OPCS) in the XML Schema.	V5				FC	FC	FC	FC	FC	FC													
	V6	F	F	F	F	F	F	F	F	F			F		F	F						F	
PROCEDURE (READ) Known as SECONDARY PROCEDURE (READ) in the XML Schema.	V5				FC	FC	FC	FC	FC	FC													
	V6	F	F	F	F	F	F	F	F	F			F		F	F						F	
PROCEDURE DATE	V5:6	FC	FC	FC	FC	FC	FC	FC	FC	FC			FC		FC	FC						FC	
PROCEDURE SCHEME IN USE	V5:6	VC	VC	VC	VC	VC	VC	VC	VC	VC			VC		VC	VC						VC	
PROVIDER REFERENCE NUMBER	V5:6	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F				F	F	
PSYCHIATRIC PATIENT STATUS	V5:6					VR	VR		VR	VR			VR										
REFERRAL REQUEST RECEIVED DATE	V5:6		FR	FR																			
REFERRAL TO TREATMENT PERIOD END DATE	V6	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
REFERRAL TO TREATMENT PERIOD START DATE	V6	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
REFERRAL TO TREATMENT PERIOD STATUS	V6	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
REFERRER CODE	V5:6		FR	FR	FR	FR	FR	FR	FR	FR			FR	FR		FR	FR					FR	
REFERRING ORGANISATION CODE	V5:6		FR	FR	FR	FR	FR	FR	FR	FR			FR	FR		FR	FR					FR	
RENAL SUPPORT DAYS	V5:6				FR	FR	FR	FR	FR	FR													
RESUSCITATION METHOD	V5:6				VR		VR	VR		VR	VR	VR											
SECONDARY DIAGNOSIS (ICD)	V5:6	F	F	F	F	F	F	F	F	F													
SECONDARY DIAGNOSIS (READ)	V5:6	F	F	F	F	F	F	F	F	F													
SERVICE TYPE REQUESTED	V5:6		VR	VR																			
SEX OF PATIENTS	V5:6				V	V	V	V	V	V			V										
SITE CODE (OF TREATMENT)	V5:6		FR	F	FR	FR	FR	FR	FR	FR			FR										
SOURCE OF ADMISSION (HOSPITAL PROVIDER SPELL)	V5:6			VR	VR	VR	VR	VR	VR	VR			VR										
SOURCE OF REFERRAL FOR A+E	V5:6	VR																					
SOURCE OF REFERRAL FOR OUT-PATIENTS	V5:6		VR	VR																			
START DATE (EPISODE)	V5:6				FM	FM	FM	FM	FM	FM			FM										
START DATE (HOSPITAL PROVIDER SPELL)	V5:6				FM	FM	FM	FM	FM	FM			FM										
START DATE	V5:6				F	F	F	F	F	F													
STATUS OF PATIENT INCLUDED IN THE PSYCHIATRIC CENSUS	V5:6												VR										
STATUS OF PERSON CONDUCTING DELIVERY	V5:6				VR		VR	VR		VR	VR	VR											
SUSPENSION END DATE	V5:6																					FR	

SUSPENSION START DATE	V5:6																				S1		
TREATMENT FUNCTION CODE	V5:6		VR	VR	VR	VR	VR	VR	VR	VR			VR										
UNIQUE BOOKING REFERENCE NUMBER (CONVERTED)	V6	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
WAITING LIST ENTRY LAST REVIEWED DATE	V5:6													F		F	F						F
WARD DAY PERIOD AVAILABILITY	V5:6				V	V	V	V	V	V			V										
WARD NIGHT PERIOD AVAILABILITY	V5:6				V	V	V	V	V	V			V										

For enquiries about this DSCN please email datastandards@nhs.net