

Sponsoring Organisation:		Implementation Date:	01/04/2009
Department of Health		Subject: Data Standards: National Radiotherapy Dataset	
DATA SET CHANGE NOTICE			
<p>This DSCN informs users of the approval of a new information standard by the Information Standards Board for Health and Social Care (ISB HaSC).</p> <p>This was approved by ISB HaSC on 17 September 2008.</p> <p>The collection has now been approved by the Review of Central Returns Steering Committee ROCR. ROCR/OR/0194/001.</p>			
Summary:			
<p>This DSCN gives details of the National Radiotherapy Dataset which is to be collected on all patients receiving radiotherapy provided and commissioned by the NHS in England.</p> <p>This DSCN applies to providers of radiotherapy services to the NHS, and manufacturers of software systems supporting radiotherapy equipment and oncology management systems.</p> <p>Implementation timeline:</p> <ul style="list-style-type: none"> From 01/04/2009, radiotherapy centres will be required to return data to the National Cancer Services Analysis Team (NATCANSAT) using the standard dataset on all radiotherapy activity undertaken on teletherapy or brachytherapy machines linked to a Verify and Record system or an Oncology Management System. Centres that undertake radiotherapy activity on teletherapy or brachytherapy machines which are not linked to a Verify and Record system or an Oncology Management System will be required to return these data by 01/04/2011. Data on radiotherapy activity undertaken not using a machine (e.g. sealed or unsealed sources) will be required to be submitted by 01/04/2013. <p>This DSCN is in two parts:</p> <ol style="list-style-type: none"> Part 1 provides policy information needed to implement the change Part 2 provides the definitional, technical and modelling detail that will be included in the NHS Data Model and Dictionary. Note that a number of new Classes and Attributes are introduced to support the modelling of this dataset: these are not intended or approved for use for clinical or business purposes. 			
Datasets / return affected:			
National Cancer Waiting Times Minimum Dataset – DSCN 20/2008.			
Related DSCNs:			
DSCN 20/2007			
Impact of Change:			
Service:	Minor (Major for 3 above)	System Suppliers:	Minor (Major for 3 above)
<p>The Information Standards Board for Health and Social Care (ISB HaSC) is responsible for approving information standards. Submission documents and the ISB HaSC Board output relating to the approval of this standard can be found at: http://www.isb.nhs.uk/docs/national-2</p>			

DATA SET CHANGE NOTICE

Reference No:	DSCN 22/2008
Version No:	1.1
Subject:	National Radiotherapy Dataset
Type of Change:	Introduction of a new Information Standard
Implementation Date:	01/04/2009
Business Justification:	To provide information on radiotherapy activity to support the standards laid down in the Cancer Reform Strategy

Introduction

The National Radiotherapy Dataset has been developed to support consistent collection of a set of technical and clinical information on patients undergoing radiotherapy provided or commissioned by the NHS.

Its purpose is to improve availability and use (locally and centrally) of data already held about treatment given to patients by radiotherapy facilities and to direct the development of systems supporting data collection and use in the small number of facilities that do not yet hold such data.

Examples of analyses that are supported by the dataset include:

- Patient activity on radiotherapy equipment
- Waiting times for radiotherapy
- Variations in clinical practice
- The impact of any of the above measures on overall survival.

Data elements supporting the existing legal requirement for capture of a minimum dataset from radiotherapy machines are included in the standard.

The National Radiotherapy Dataset is aligned with and complements existing national data standards supporting commissioning of services and waiting time reporting. This will enable radiotherapy facilities to more easily report these data for central and local purposes. This DSCN has been issued in advance of completion of the ROCR process to facilitate publication of DSCN 20/2008 National Cancer Waiting Times Minimum Dataset. An update will be published once the ROCR decision is forthcoming.

The implementation plan for the standard includes delayed implementation for radiotherapy administered using machines which are not linked to a database, and for radiotherapy administered using sealed or unsealed radioactive sources which are not contained by a radiotherapy machine.

Background

The Department of Health Public Service Agreement target is to reduce cancer mortality rates in people aged under 75 by at least 20% by 2010. Radiotherapy treatment will have a key role in helping to deliver this target as it contributes to reducing mortality and improving the quality of life in a significant proportion of patients with cancer.

The collection of a nationally agreed dataset from radiotherapy centres was recommended by the National Radiotherapy Advisory Group which was established in 2004 to advise Ministers on:

- (i) the current position of radiotherapy services in England

- (ii) how to ensure current resources are deployed to best effect
- (iii) how to plan for a service in the longer term.

Radiotherapy is given using large treatment machines, which are linked to databases which hold details of patients treated, and the technical details of treatment given. The National Radiotherapy Dataset standard will provide machine / person based clinical and technical data about radiotherapy services for audit, policy making, clinical research and cancer registration purposes.

The requirement for the radiotherapy dataset was notified in [DSCN 20/2007](#) in June 2007.

Details of Change

The Radiotherapy Dataset v3.7 Manual specifies the data to be collected. Many of the data elements to be included are already defined in existing NHS Information Standards, for example, Organisation Code, Appointment Date. New and changed data elements introduced in this Information Standard are shown in the tables below.

Data element names, definitions and values for data elements are aligned with those in the National Cancer dataset and National Cancer Waiting Times Minimum Dataset where appropriate. However, it should be noted that some patients receive radiotherapy for conditions other than cancer and therefore there are some differences, for example, Radiotherapy Treatment Modality rather than Cancer Treatment Modality as in the National Cancer Waiting Times Minimum Dataset.

New Data elements:

Name	Definition
ACTUAL FRACTIONS	The total number of Fractions or hyperfraction delivered as part of a Radiotherapy Treatment Course.
ANATOMICAL TREATMENT SITE (RADIOTHERAPY)	A classification of part of the body to which the RADIOOTHERAPY ACTUAL DOSE is administered.
DECISION TO TREAT DATE (RADIOTHERAPY TREATMENT COURSE)	The DATE that a decision was taken to treat a PATIENTS condition with a RADIOOTHERAPY TREATMENT MODALITY.
EARLIEST CLINICALLY APPROPRIATE DATE	The earliest DATE that it was clinically appropriate for an ACTIVITY to take place.
MACHINE IDENTIFIER	A unique identifier for a Lithotripter or a Radiotherapy Machine.
NUMBER OF TELEOTHERAPY FIELDS	The prescribed number of fields of a Teletherapy Treatment Course.
PRESCRIBED FRACTIONS	The prescribed number of Fractions or hyperfraction to be delivered as part of a Radiotherapy Treatment Course.
PRESCRIPTION IDENTIFIER	Any IDENTIFIER that is unique for each PRESCRIPTION.
RADIOTHERAPY EPISODE IDENTIFIER	An IDENTIFIER that is unique for each radiotherapy episode.
RADIOTHERAPY FIELD IDENTIFIER	Any IDENTIFIER that is unique for each Teletherapy Field.
RADIOTHERAPY PRIORITY	The priority for this Radiotherapy Treatment Course as classified by the requesting clinician
RADIOTHERAPY TREATMENT MODALITY	A classification of the type of treatment delivered during a Radiotherapy Treatment Course.
RADIOTHERAPY TREATMENT REGION	The area or region to be treated with Radiotherapy.
TIME OF EXPOSURE	The TIME when the Radiotherapy Exposure was initiated.
TREATMENT START DATE	The DATE that a treatment for a PATIENTS condition

(RADIOTHERAPY TREATMENT COURSE)	using a RADIOTHERAPY TREATMENT MODALITY started.
---------------------------------	--

Changed Data elements:

Name	Change
TELEETHERAPY BEAM ENERGY	Changed description
TELEETHERAPY FIELDS CLASSIFICATION renamed from TELEETHERAPY FIELDS	Changed Description, Aliases, Name

Implementation of the dataset is the responsibility of the Trusts providing radiotherapy services in England. The dataset can be collected using all of the commercially available oncology management systems currently in use in England. All radiotherapy facilities in England have already received technical information to assist with implementation.

Submission of the dataset is required for each attendance for radiotherapy which is recorded using a verify and record system or oncology management system (either automatically via a treatment machine attached to the database, or entered manually).

The dataset is to be submitted to the National Cancer Services Analysis Team (NATCANSAT) on a monthly basis, submitting all attendances for the previous calendar month by the 20th of each month. Files are to be generated in .xml format, or another format agreed with NATCANSAT (using the tools provided by NATCANSAT if preferred) and to be submitted by uploading an AES256 encrypted file to a server on the NHSNet. For further details please refer to the NATCANSAT website www.canceruk.net/rtservices/res/

Data extracts are subject to strict protocols and must not be run on a live database while patients are being treated. These protocols (provided in guidance accompanying this standard) ensure that the implementation of this data standard has no direct impact on patient safety. Analysis of data collected includes measures which will detect some unsafe practices; any indications of unsafe practice should be addressed as documented in the Policy on Detection of Unsafe Practice – contact NATCANSAT for details of this policy (See Further Information and Support below).

There are three suppliers of Oncology Management Systems in the UK:

Manufacturer	Verify and Record Package	Oncology Management System
Nucletron	Visir	Oncentra
Varian	Varis	Aria
Elekta	Lantis	Impac

All are aware of the minor changes which need to be made to their systems and implemented in all radiotherapy facilities in England before April 2009.

Radiotherapy administered using machines (including automatic after loading brachytherapy machines) which are not linked to one of these software packages will need to be entered manually in these systems, or Trusts will need to make alternative arrangements for the collection and submission. There is a requirement to submit these data from 01/04/2011.

Radiotherapy administered using sealed or unsealed radiotherapy sources which are not contained in a radiotherapy machine will need to be entered manually in the systems, or Trusts will need to make alternative arrangements for the collection and submission. There is a requirement to submit these data from 01/04/2013.

Timescales for Implementation / Change

1. Centres with teletherapy or brachytherapy machines linked to a Verify and Record system or an Oncology Management System

FRAMEWORK		Health and Social Care Personnel	Organisation ¹	IT Suppliers ²
Effective Date ³ "may use"		Immediate		
Implementation Date ⁴ "must use"	Collection Start Date ⁵	1 April 2009		
	First Submission Date ⁶	n/a	20 May 2009	n/a
	Reporting Period / Submission Cycle ⁷	n/a	Monthly / submit on the 20 th of the subsequent month	n/a
Conformance Date ⁸ "must be used effectively and assessed for use"		1 April 2009		
Superseded Date (of prior standard) ⁹ "stop using prior standard"		n/a		

2. Centres with teletherapy or brachytherapy machines which are not linked to a Verify and Record system or an Oncology Management System.

FRAMEWORK		Health and Social Care Personnel	Organisation ¹	IT Suppliers ²
Effective Date ³ "may use"		Immediate		
Implementation Date ⁴ "must use"	Collection Start Date ⁵	1 April 2011		
	First Submission Date ⁶	n/a	20 May 2011	n/a
	Reporting Period / Submission Cycle ⁷	n/a	Monthly / submit on the 20 th of the subsequent month	n/a
Conformance Date ⁸ "must be used effectively and assessed for use"		1 April 2011		
Superseded Date (of prior standard) ⁹ "stop using prior standard"		n/a		

3. Radiotherapy activity undertaken not using a machine (e.g.: sealed or unsealed sources)

FRAMEWORK		Health and Social Care Personnel	Organisation ¹	IT Suppliers ²
Effective Date ³ "may use"		Immediate		
Implementation Date ⁴ "must use"	Collection Start Date ⁵	1 April 2013		
	First Submission Date ⁶	n/a	20 May 2013	n/a
	Reporting Period / Submission Cycle ⁷	n/a	Monthly / submit on the 20 th of the subsequent month	n/a
Conformance Date ⁸ "must be used effectively and assessed for use"		1 April 2013		
Superseded Date (of prior standard) ⁹ "stop using prior standard"		n/a		

Effects on Other Information Standards

Changes may be required to the National Cancer Dataset which is currently under review.

Sponsor Details

Matt Capper
Cancer Policy Team
Department of Health

Further Information and Support

Further information can be obtained from NATCANSAT.

Website: www.canceruk.net/rtservices/res
Helpdesk: 0870 840 8033
E-mail: ccf-tr.RTDS@nhs.net

Requests for further Information and other enquiries should be addressed by e-mail to datastandards@nhs.net.

Notes:

1. Relevant organisations are those organisations as defined in the standard who must take direct action to implement the standard
2. IT Suppliers are all suppliers to the organisations listed at ¹ who supply functionality pertinent to that standard
3. **Effective Date** is the date from which a new standard can be used but may not be mandatory. This might facilitate piloting, for example, or enable time for system functionality development. At this point, **you “may use” the standard.**
4. **Implementation Date** is the point from which the new standard becomes mandatory. Ideally, it inherently implies organisations use appropriate systems i.e. the date is the same for organisations and suppliers. However, there may be circumstances where interim workarounds are required i.e. the date is different for organisations and suppliers. At this date, **you “must use” the standard.** Where the standard demands data is submitted centrally, sub components of implementation date (and possibly ‘effective date’) are:
 5. **Collection Start Date** – this is the date collection of data must begin
 6. **First Submission Date** – this is the date of first submission of data centrally
 7. **Reporting Period / Submission Cycle** – If the standard calls for further collection and submission at defined intervals, this cell provides text of the reporting period (e.g. calendar month, financial year) and the submission cycle (e.g. submit data monthly on the 10th working day of the subsequent month).
8. **Conformance Date** is the date from which the service and IT system suppliers must use the standard as envisaged i.e. using appropriate IT solutions rather than interim workarounds and, if the standard requires it, an independent, authoritative body or legitimate internal audit would conduct a conformity assessment with the expectation of full conformance by all relevant parties. It is the **“must use standard effectively and assessed for use”** date
9. **Superseded Date** of the prior standard sets the date at which the prior standard is replaced by the new standard i.e. the prior standard must no longer be used. This date will apply only where there was a pre-existing standard made redundant by the new standard. It might be different from preceding dates in the framework if, for example, a new and old standard run in parallel for a period. It is the date from which you **“stop using the prior standard”**.

Change Request

NHS Connecting for Health

NHS Data Model and Dictionary Service

Reference:	Change Request 0843
Version No:	1.0
Subject:	Radiotherapy Data Set
Effective Date:	1 Apr 2009
Reason for Change:	The Radiotherapy Data Set will collect a set of technical and clinical information on patients undergoing radiotherapy in (or funded by) the NHS in England
Publication Date:	22 Sep 2008

Background:

This Data Set Change Notice introduces the Radiotherapy Minimum Data Set into the NHS Data Model and Dictionary. The data set was developed by the National Cancer Services Analysis Team and sponsored by the Department of Health. The developmental work was guided by an expert working group comprising Oncologists, Radiotherapy Radiographers, Physicists, Database Administrators and Business Managers from Radiotherapy Services backgrounds.

It is intended to submit a sub-set of the Radiotherapy Minimum Data Set using the appropriate fields in the Out-Patient Commissioning Data Set.

Purpose

The standard is intended to facilitate the collection of data regarding patients treated with Radiotherapy, which will be used by Commissioners, Providers, and a range of other organisations. Outputs from the standard will include Radiotherapy activity data, waiting times for Radiotherapy, and variations in clinical practice.

Although this Data Set Change Notice introduces some highly clinical Classes, Attributes and Data Elements into the NHS Data Model and Dictionary, it is intended that these are at a high level for the purpose of flowing data within the NHS. A more detailed and granular clinical representation is the Systemised Nomenclature of Medicine Clinical Terms (SNOMED-CT) concept model.

The Attribute ORGAN DONATION TYPE and Class ORGAN DONATION CONSENT have been rephrased to take advantage of new Classes introduced by this Data Set Change Notice.

Summary of changes:

Class Definitions

[ACTIVITY DATE TIME](#)

[ACTIVITY PRIORITY](#)

[CARE ACTIVITY](#)

[CELL](#)

[CELL PATHOLOGICAL ABNORMALITY](#)

[CLINICAL INTERVENTION](#)

[CYTOLOGICAL ABNORMALITY](#)

[MACHINE](#)

[MALIGNANT ABNORMALITY](#)

[ORGAN DONATION CONSENT](#)

[PATIENT DIAGNOSIS](#)

[PERSON](#)

[PERSON ORGAN](#)

Changed Relationships

Changed Attributes

Changed Relationships

New Class

New Class

Changed Attributes, Relationships

New Class

Changed Relationships

New Class

Changed Description

Changed Relationships

Changed Attributes, Relationships

New Class

PERSON PROPERTY QUALIFIER	Changed Attributes, Relationships
PRESCRIBED ITEM	Changed Relationships
PRESCRIPTION	Changed Description, Relationships
PRESCRIPTION FOR MEDICINES AND DEVICES AND BLOOD PRODUCTS	New Class
RADIOTHERAPY PRESCRIPTION	New Class
SERVICE REQUEST	Changed Attributes, Description, Relationships
TISSUE	New Class
TISSUE CARE ACTIVITY	New Class
TISSUE TRANSPLANT	New Class

Attribute Definitions

ABNORMALITY IDENTIFIER	New Attribute
ANATOMICAL SITE	New Attribute
BRACHYTHERAPY PRESCRIBED FRACTION renamed from BRACHYTHERAPY PRESCRIBED FRACTIONS	Changed Name
CELL IDENTIFIER	New Attribute
MACHINE IDENTIFIER	Changed Description
NUMBER OF TELETHERAPY FIELDS	New Attribute
ORGAN DONATION TYPE	Changed Description
ORGAN IDENTIFIER	New Attribute
RADIOTHERAPY PRIORITY	New Attribute
RADIOTHERAPY TREATMENT MODALITY	New Attribute
RADIOTHERAPY TREATMENT REGION	New Attribute
TISSUE IDENTIFIER	New Attribute
TRANSPLANT TISSUE IDENTIFIER	New Attribute

Data Elements

ACTUAL FRACTIONS	New Data Element
ANATOMICAL TREATMENT SITE (RADIOTHERAPY)	New Data Element
DECISION TO TREAT DATE (RADIOTHERAPY TREATMENT COURSE)	New Data Element
EARLIEST CLINICALLY APPROPRIATE DATE	New Data Element
MACHINE IDENTIFIER	New Data Element
NUMBER OF TELETHERAPY FIELDS	New Data Element
PRESCRIBED FRACTIONS	New Data Element
PRESCRIPTION IDENTIFIER	New Data Element
RADIOTHERAPY EPISODE IDENTIFIER	New Data Element
RADIOTHERAPY FIELD IDENTIFIER	New Data Element
RADIOTHERAPY PRIORITY	New Data Element
RADIOTHERAPY TREATMENT MODALITY	New Data Element
RADIOTHERAPY TREATMENT REGION	New Data Element
TELETHERAPY BEAM ENERGY	Changed Description
TELETHERAPY FIELDS CLASSIFICATION renamed from TELETHERAPY FIELDS	Changed Aliases, Name, Description
TIME OF EXPOSURE	New Data Element
TREATMENT START DATE (RADIOTHERAPY TREATMENT COURSE)	New Data Element

Data Set

RADIOTHERAPY DATA SET	New Data Set
---------------------------------------	--------------

Supporting Information

BENIGN ABNORMALITY	New Supporting Information
RADIOTHERAPY DATA SET OVERVIEW	New Supporting Information

Date: 22 Sep 2008

Sponsor: Mandy Jacklin, Department of Health

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.

RADIOTHERAPY DATA SET

Change to Data Set: New Data Set

Radiotherapy Data Set Overview

Commissioning Data Set Item (Yes/No)	Data Set Data Element
Demographics: To carry the personal details of the PATIENT. One occurrence of this group is required.	
Yes	ATTENDANCE IDENTIFIER
Yes	APPOINTMENT DATE
Yes	ORGANISATION CODE (CODE OF PROVIDER)
Radiotherapy Episode Details: To carry the ACTIVITY details of each radiotherapy episode. One or more occurrences of Radiotherapy Episode Details are permitted for each Tumour.	
No	RADIOTHERAPY EPISODE IDENTIFIER
No	EARLIEST CLINICALLY APPROPRIATE DATE
No	RADIOTHERAPY PRIORITY
No	DECISION TO TREAT DATE (RADIOTHERAPY TREATMENT COURSE)
No	TREATMENT START DATE (RADIOTHERAPY TREATMENT COURSE)
Prescription Details: To carry the details of the PRESCRIPTION. One or more occurrences of Prescription Details are permitted for each Course.	
No	PRESCRIPTION IDENTIFIER
No	RADIOTHERAPY TREATMENT MODALITY
No	RADIOTHERAPY TREATMENT REGION
No	ANATOMICAL TREATMENT SITE (RADIOTHERAPY)
No	NUMBER OF TELETHERAPY FIELDS
No	RADIOTHERAPY PRESCRIBED DOSE
No	PRESCRIBED FRACTIONS
No	RADIOTHERAPY ACTUAL DOSE
No	ACTUAL FRACTIONS
Exposure Details: To carry the details of the radiotherapy exposure, per prescription. One or more occurrences of Exposure Details are permitted for each Course.	
No	RADIOTHERAPY FIELD IDENTIFIER
No	TIME OF EXPOSURE
No	MACHINE IDENTIFIER
No	TELETHERAPY BEAM TYPE
No	TELETHERAPY BEAM ENERGY

BENIGN ABNORMALITY

Change to Supporting Information: New Supporting Information

A subtype of **CELL PATHOLOGICAL ABNORMALITY**.

A growth made up of normal **CELLS**.

RADIOTHERAPY DATA SET OVERVIEW

Change to Supporting Information: New Supporting Information

Radiotherapy is a specialist service provided in approximately 50 sites in England (60 in the United Kingdom). The majority of **PATIENTS** receiving treatment are not admitted to hospital. As a result data has not been collected centrally in the past.

The **Radiotherapy Data Set** is intended to collect data already held in technical databases on radiotherapy equipment, and to centralise these data for use for commissioning radiotherapy and also for service planning and clinical audit.

ABNORMALITY IDENTIFIER

Change to Attribute: New Attribute

Any **IDENTIFIER** which is unique for each abnormality. This may be assigned manually or system generated.

ABNORMALITY IDENTIFIER

Change to Attribute: New Attribute

ABNORMALITY IDENTIFIER

Data Elements:

There are no data links on this item.

ANATOMICAL SITE

Change to Attribute: New Attribute

The classification of a structure of the human body.

The coding frame used is the **OPCS Classification of Interventions and Procedures** OPCS-4 'Z' coding.

ANATOMICAL SITE

Change to Attribute: New Attribute

ANATOMICAL SITE

Data Elements:

ANATOMICAL TREATMENT SITE (RADIOTHERAPY)

BRACHYTHERAPY PRESCRIBED FRACTION renamed from BRACHYTHERAPY PRESCRIBED FRACTIONS

Change to Attribute: Changed Name

- Changed name from Data_Dictionary.Attributes.B.BRACHYTHERAPY_PRESCRIBED_FRACTIONS to Data_Dictionary.Attributes.B.BRACHYTHERAPY_PRESCRIBED_FRACTION
-

CELL IDENTIFIER

Change to Attribute: New Attribute

Any IDENTIFIER which is unique to a CELL.

CELL IDENTIFIER

Change to Attribute: New Attribute

CELL IDENTIFIER

Data Elements:

There are no data links on this item.

MACHINE IDENTIFIER

Change to Attribute: Changed Description

~~A unique identifier for a Lithotripter or a Radiotherapy Machine.~~ A unique IDENTIFIER for a Lithotripter or a Radiotherapy Machine.

NUMBER OF TELETHERAPY FIELDS

Change to Attribute: New Attribute

The actual prescribed number of fields of a Teletherapy Treatment Course .

NUMBER OF TELETHERAPY FIELDS

Change to Attribute: New Attribute

NUMBER OF TELETHERAPY FIELDS

Data Elements:

NUMBER OF TELETHERAPY FIELDS

ORGAN DONATION TYPE

Change to Attribute: Changed Description

The body parts that a [PERSON](#) may consent to be used for possible transplantation after their death.

Classification:

- a. Kidneys
- b. Heart
- c. Liver
- d. Corneas
- e. Lungs
- f. Pancreas
- ~~g. Any other body part~~
- g. Any other [PERSON ORGAN](#) or [TISSUE](#)

ORGAN IDENTIFIER

Change to Attribute: New Attribute

Any [IDENTIFIER](#) which is unique to an [PERSON ORGAN](#). This may be assigned manually or system generated.

ORGAN IDENTIFIER

Change to Attribute: New Attribute

ORGAN IDENTIFIER

Data Elements:

There are no data links on this item.

RADIOTHERAPY PRIORITY

Change to Attribute: New Attribute

This is the priority for this [Radiotherapy Treatment Course](#) as classified by the requesting clinician.

National Codes:

- E [Emergency](#) (treatment required within 24 hours)
- U [Urgent](#) (to include the Royal College of Radiologists Category I)
- R [Routine](#) (to include the Royal College of Radiologists Category II)
- D [Elective delay](#) (Treatment delayed for reason)

For further information on the Royal College of Radiologists Categories see the [Royal College of Radiologists website](#).

Use in the [National Cancer Waiting Times Monitoring Data Set](#):

[RADIOTHERAPY PRIORITY](#) must be recorded where the ~~[BAD REFERENCE](#)~~ is National Code 05 - *Teletherapy (Beam radiation excluding Proton Therapy)*.

RADIOTHERAPY PRIORITY

Change to Attribute: New Attribute

RADIOTHERAPY PRIORITY

Data Elements:

RADIOTHERAPY PRIORITY

RADIOTHERAPY TREATMENT MODALITY

Change to Attribute: New Attribute

A classification of the type of treatment delivered during a Radiotherapy Treatment Course.

Where the treatment is delivered as part of a CANCER TREATMENT PERIOD, RADIOTHERAPY TREATMENT MODALITY is equivalent to CANCER TREATMENT MODALITY National Codes 05 'Teletherapy' or 06 'Brachytherapy'.

National Codes:

- T Teletherapy
 - B Brachytherapy
-

RADIOTHERAPY TREATMENT MODALITY

Change to Attribute: New Attribute

RADIOTHERAPY TREATMENT MODALITY

Data Elements:

RADIOTHERAPY TREATMENT MODALITY

RADIOTHERAPY TREATMENT REGION

Change to Attribute: New Attribute

The area or region to be treated with Radiotherapy.

National Codes

- P Primary
 - PR Primary and Regional Nodes
 - A Non-anatomically specific primary site
 - O Prophylactic (to non-primary site)
 - M Metastasis
-

RADIOTHERAPY TREATMENT REGION

Change to Attribute: New Attribute

RADIOTHERAPY TREATMENT REGION

Data Elements:

RADIOTHERAPY TREATMENT REGION

TISSUE IDENTIFIER

Change to Attribute: New Attribute

Any identifier which is unique to a TISSUE. This may be assigned manually or system generated.

TISSUE IDENTIFIER

Change to Attribute: New Attribute

TISSUE IDENTIFIER

Data Elements:

There are no data links on this item.

TRANSPLANT TISSUE IDENTIFIER

Change to Attribute: New Attribute

Any identifier which is unique to each TISSUE TRANSPLANT.

TRANSPLANT TISSUE IDENTIFIER

Change to Attribute: New Attribute

TRANSPLANT TISSUE IDENTIFIER

Data Elements:

There are no data links on this item.

ACTUAL FRACTIONS

Change to Data Element: New Data Element

Format/length: n2

HES item:

National Codes:

Default Codes:

Notes:

The total number of Fractions or hyperfraction delivered as part of a Radiotherapy Treatment Course.

ACTUAL FRACTIONS

Change to Data Element: New Data Element

ACTUAL FRACTIONS

Attribute:

There are no data links on this item.

ANATOMICAL TREATMENT SITE (RADIOTHERAPY)

Change to Data Element: New Data Element

Format/length: an6
HES item:
National Codes:
Default Codes:

Notes:

A classification of part of the body to which the RADIOTHERAPY ACTUAL DOSE is administered.

See Radiotherapy Data Set Manual for the Office of Population Censuses and Surveys (OPCS-4) code to be used.

ANATOMICAL TREATMENT SITE (RADIOTHERAPY)

Change to Data Element: New Data Element

ANATOMICAL TREATMENT SITE (RADIOTHERAPY)

Attribute:

ANATOMICAL SITE

DECISION TO TREAT DATE (RADIOTHERAPY TREATMENT COURSE)

Change to Data Element: New Data Element

Format/length: see DATE
HES item:
National codes
Default codes

Notes:

This is the DATE that a decision was taken to treat a PATIENTS condition with a RADIOTHERAPY TREATMENT MODALITY.

Where the treatment is being undertaken as part of a CANCER TREATMENT PERIOD, where the CANCER TREATMENT MODALITY is National Code 05 'Teletherapy' or 06 'Brachytherapy', the DECISION TO TREAT DATE (RADIOTHERAPY TREATMENT COURSE) is the same as the CANCER TREATMENT PERIOD START DATE.

DECISION TO TREAT DATE (RADIOTHERAPY TREATMENT COURSE)

Change to Data Element: New Data Element

DECISION TO TREAT DATE (RADIOTHERAPY TREATMENT COURSE)

Attribute:

There are no data links on this item.

EARLIEST CLINICALLY APPROPRIATE DATE

Change to Data Element: New Data Element

Format/length:	See DATE
HES item:	
National Codes:	
Default Codes:	

Notes:

The earliest DATE that it was clinically appropriate for an ACTIVITY to take place.

Same as the DECISION TO TREAT DATE unless there was an elective delay.

EARLIEST CLINICALLY APPROPRIATE DATE

Change to Data Element: New Data Element

EARLIEST CLINICALLY APPROPRIATE DATE

Attribute:

OFFERED FOR ADMISSION DATE

MACHINE IDENTIFIER

Change to Data Element: New Data Element

Format/length:	an12
HES item:	
National Codes:	
Default Codes:	

Notes:

A unique identifier for a Lithotripter or a Radiotherapy Machine. Details of how this identifier is generated and used with the Radiotherapy Data Set can be found at the CancerUK website at Radiotherapy Data Set Documentation.

MACHINE IDENTIFIER

Change to Data Element: New Data Element

MACHINE IDENTIFIER

Attribute:

MACHINE IDENTIFIER

NUMBER OF TELETHERAPY FIELDS

Change to Data Element: New Data Element

Format/length:	n2
HES item:	
National Codes:	
Default Codes:	

Notes:

The prescribed number of fields of a [Teletherapy Treatment Course](#).

NUMBER OF TELETHERAPY FIELDS

Change to Data Element: New Data Element

NUMBER OF TELETHERAPY FIELDS

Attribute:

NUMBER OF TELETHERAPY FIELDS

PRESCRIBED FRACTIONS

Change to Data Element: New Data Element

Format/length:	n2
HES item:	
National Codes:	
Default Codes:	

Notes:

The prescribed number of [Fractions](#) or hyperfraction to be delivered as part of a [Radiotherapy Treatment Course](#).

PRESCRIBED FRACTIONS

Change to Data Element: New Data Element

PRESCRIBED FRACTIONS

Attribute:

There are no data links on this item.

PRESCRIPTION IDENTIFIER

Change to Data Element: New Data Element

Format/length:	an50
HES item:	

National Codes:
Default Codes:

Notes:

Any IDENTIFIER that is unique for each PRESCRIPTION.

PRESCRIPTION IDENTIFIER

Change to Data Element: New Data Element

PRESCRIPTION IDENTIFIER

Attribute:

PRESCRIPTION IDENTIFIER

RADIOTHERAPY EPISODE IDENTIFIER

Change to Data Element: New Data Element

Format/length: an50
HES item:
National Codes:
Default Codes:

Notes:

An IDENTIFIER that is unique for each radiotherapy episode.

RADIOTHERAPY EPISODE IDENTIFIER

Change to Data Element: New Data Element

RADIOTHERAPY EPISODE IDENTIFIER

Attribute:

ACTIVITY IDENTIFIER

RADIOTHERAPY FIELD IDENTIFIER

Change to Data Element: New Data Element

Format/length: an50
HES item:
National Codes:
Default Codes:

Notes:

Any IDENTIFIER that is unique for each Teletherapy Field. Details of how this identifier is generated and used with the Radiotherapy Data Set can be found at the CancerUK website at Radiotherapy Data Set

[Documentation.](#)

RADIOTHERAPY FIELD IDENTIFIER

Change to Data Element: New Data Element

RADIOTHERAPY FIELD IDENTIFIER

Attribute:

ACTIVITY IDENTIFIER

RADIOTHERAPY PRIORITY

Change to Data Element: New Data Element

Format/length:	an1
HES item:	
National Codes:	Click on the attribute tab to display the attribute that contains the National Codes.
Default Codes:	

Notes:

This is the priority for this Radiotherapy Treatment Course as classified by the requesting clinician.

RADIOTHERAPY PRIORITY

Change to Data Element: New Data Element

RADIOTHERAPY PRIORITY

Attribute:

RADIOTHERAPY PRIORITY

RADIOTHERAPY TREATMENT MODALITY

Change to Data Element: New Data Element

Format/length:	an1
HES item:	
National Codes:	Click on the attribute tab to display the attribute that contains the National Codes.
Default Codes:	

Notes:

This is the same as attribute RADIOTHERAPY TREATMENT MODALITY.

RADIOTHERAPY TREATMENT MODALITY

Change to Data Element: New Data Element

RADIOTHERAPY TREATMENT MODALITY

Attribute:

RADIOTHERAPY TREATMENT MODALITY

RADIOTHERAPY TREATMENT REGION

Change to Data Element: New Data Element

Format/length:	an2
HES item:	
National Codes:	Click on the attribute tab to display the attribute that contains the National Codes.
Default Codes:	

Notes:

The area or region to be treated with Radiotherapy.

RADIOTHERAPY TREATMENT REGION

Change to Data Element: New Data Element

RADIOTHERAPY TREATMENT REGION

Attribute:

RADIOTHERAPY TREATMENT REGION

TELEETHERAPY BEAM ENERGY

Change to Data Element: Changed Description

Format/length:	n1
Format/length:	n6
HES item:	
National Codes:	
Default Codes:	

[TELEETHERAPY BEAM ENERGY](#) is the same as attribute [TELEETHERAPY PHOTON ENERGY](#) for high energy photon beams or [TELEETHERAPY ELECTRON ENERGY](#) for high energy electron beams.

TELEETHERAPY FIELDS CLASSIFICATION_ renamed from TELEETHERAPY FIELDS

Change to Data Element: Changed Aliases, Name, Description

Format/length:	an1
HES item:	
National Codes:	Click on the attribute tab to display the attribute that contains the National Codes.
National Codes:	
Default Codes:	

The prescribed number of fields of a Teletherapy Treatment Course.

TELETHERAPY FIELDS CLASSIFICATION_ renamed from TELEETHERAPY FIELDS

Change to Data Element: Changed Aliases, Name, Description

- Alias Changes

Name	Old Value	New Value
plural	TELETHERAPY FIELDS	TELETHERAPY FIELDS CLASSIFICATIONS
formerly		TELETHERAPY FIELDS

- Changed name from Data_Dictionary.Data_Field_Notes.T.TELETHERAPY_FIELDS to Data_Dictionary.Data_Field_Notes.T.TELETHERAPY_FIELDS_CLASSIFICATION
- Changed Description

TIME OF EXPOSURE

Change to Data Element: New Data Element

Format/length: see TIME
HES item:
National Codes:
Default Codes:

Notes:

The TIME when the Radiotherapy Exposure was initiated.

TIME OF EXPOSURE

Change to Data Element: New Data Element

TIME OF EXPOSURE

Attribute:

ACTIVITY TIME

TREATMENT START DATE (RADIOTHERAPY TREATMENT COURSE)

Change to Data Element: New Data Element

Format/length: see DATE
HES item:
National codes
Default codes

Notes:

This is the DATE that a treatment for a PATIENTS condition using a RADIOTHERAPY TREATMENT MODALITY started.

Where the treatment is being undertaken as part of a CANCER TREATMENT PERIOD, where the CANCER TREATMENT MODALITY is National Code 05 'Teletherapy' or 06 'Brachytherapy', the TREATMENT START DATE (RADIOTHERAPY TREATMENT COURSE) is the same as the TREATMENT START DATE (CANCER).

TREATMENT START DATE (RADIOTHERAPY TREATMENT COURSE)

Change to Data Element: New Data Element

TREATMENT START DATE (RADIOTHERAPY TREATMENT COURSE)

Attribute:

There are no data links on this item.

ACTIVITY DATE TIME

Change to Class: Changed Relationships

Each ACTIVITY DATE TIME

K must be for one and only one ACTIVITY

K must be for one and only one ACTIVITY

ACTIVITY PRIORITY

Change to Class: Changed Attributes

Attributes of this Class are:

K PRIORITY TYPE

RADIOTHERAPY PRIORITY

CARE ACTIVITY

Change to Class: Changed Relationships

Each CARE ACTIVITY

may be directed towards one and only one CARE ISSUE

may be directed towards one and only one CARE ISSUE

may be an event of one and only one LOCATION TYPE

may be an event of one and only one LOCATION TYPE

may be related to one or more PERSON PROPERTY QUALIFIER

may be the result of one and only one SERVICE REQUEST

may be resulting in one or more SERVICE REQUEST

may be one or more TREATMENT FUNCTION

may be one or more TREATMENT FUNCTION

CELL

Change to Class: New Class

The smallest basic unit of a plant or animal.

The individual units from which TISSUES of the body are formed.

CELL

Change to Class: New Class

Attributes of this Class are:

K CELL IDENTIFIER (created)

CELL

Change to Class: New Class

Each CELL

K may be one or more CYTOLOGICAL ABNORMALITY

K may be one and only one TISSUE

CELL PATHOLOGICAL ABNORMALITY

Change to Class: New Class

An abnormality of an PERSON ORGAN, TISSUE or CELLS.

Subtypes of CELL PATHOLOGICAL ABNORMALITY are

MALIGNANT ABNORMALITY

Benign Abnormality

CELL PATHOLOGICAL ABNORMALITY

Change to Class: New Class

This class has no attributes.

CELL PATHOLOGICAL ABNORMALITY

Change to Class: New Class

Each CELL PATHOLOGICAL ABNORMALITY

may be one or more CYTOLOGICAL ABNORMALITY

CLINICAL INTERVENTION

Change to Class: Changed Attributes, Relationships

Attributes of this Class are:

ACCIDENT AND EMERGENCY INVESTIGATION

ACCIDENT AND EMERGENCY TREATMENT

ANATOMICAL EXAMINATION SITE

BODY IRRADIATION

BRACHYTHERAPY DELIVERY TYPE

BRACHYTHERAPY DOSE RATE
BRACHYTHERAPY ISOTOPE TYPE
BRACHYTHERAPY PRESCRIBED FRACTIONS
BRACHYTHERAPY TYPE
BREAST ASSESSMENT / TEST OUTCOME
CANCER IMAGING MODALITY
CLINICAL EXAMINATION FINDINGS
CLINICAL INTERVENTION TYPE
COLONOSCOPY INCOMPLETE REASON
CORONARY INTERVENTION PERFORMED
CYTOLOGY SCREENING ACTION TYPE
DENTAL TREATMENT CLASSIFICATION
DISCHARGE THERAPY TYPE
DRUG ADMINISTRATION DURATION
DRUG ADMINISTRATION STATUS
DRUG DAYS SUPPLY
DRUG DOSAGE AND ADMIN SPECIFICATION
DRUG IDENTIFICATION
DRUG INFORMATION COMMENT
DRUG INFORMATION TYPE
DRUG PROGRAMME RESPONSE
DRUG QUANTITY SUPPLIED
DRUG REGIMEN ACRONYM
DRUG ROUTE OF ADMINISTRATION
DRUG THERAPY TYPE
DRUG TREATMENT COST
DRUG TREATMENT INTENT
ENDOCRINE THERAPY TYPE
FIRST DEFINITIVE TREATMENT PROVIDED
FIRST DIAGNOSTIC TEST
FRACTION NUMBER
GESTATION LENGTH (LABOUR ONSET)
HIP REPLACEMENT BONEGRAFT
HIP SURGERY INCISION TYPE
HIP SURGERY PATIENT POSITION
HIP SURGERY TROCHANTER INDICATOR
IMAGE GUIDED SURGERY INDICATOR
IMAGING EVENT NUMBER
IMAGING INTERVENTION INDICATOR
IMAGING MODALITY
IMMUNITY TEST RESULT
JOINT REPLACEMENT PRIMARY OR REVISION
JOINT REPLACEMENT REVISION NUMBER
KNEE REPLACEMENT CEMENT INDICATOR
KNEE SURGERY FAT PAD REMOVED
KNEE SURGERY SKIN INCISION METHOD
KNEE SURGERY SURGICAL APPROACH
KNEE SURGERY TOURNIQUET USED
LABOUR FIRST STAGE LENGTH
LABOUR OR DELIVERY ONSET METHOD
LABOUR PROFESSIONAL PRIOR INVOLVEMENT
LABOUR SECOND STAGE LENGTH
MINIMALLY INVASIVE SURGERY INDICATOR

MINOR SURGERY TYPE
NATURE OF RISK AREA CODE
NEW LESIONS TREATED NUMBER
NUMBER OF TELETHERAPY FIELDS
OPERATIVE PATIENT PROCEDURE INDICATOR
OPPORTUNISTIC SCREENING TYPE
PATHOLOGY INVESTIGATION PRIORITY
PATHOLOGY RESULT REPORTED DATE
PATHOLOGY SPECIMEN TYPE
PATIENT PHYSICAL STATUS
PATIENT PROCEDURE IMPLANT INDICATION
PATIENT PROCEDURE RESULT
PLANNED TREATMENT CHANGE REASON
POST MORTEM TYPE
PRIMARY OR SUBSEQUENT COURSE
PRIMARY SCREENING
RADIOTHERAPY ACTUAL DOSE
RADIOTHERAPY ANAESTHETIC
~~RADIOTHERAPY ANATOMICAL TREATMENT SITE~~
RADIOTHERAPY PRESCRIBED DOSE
RADIOTHERAPY PRESCRIBED DURATION
RADIOTHERAPY TREATMENT COURSE STATUS
RADIOTHERAPY TREATMENT MODALITY
RATE OF GMP PAYMENT
RECURRENT LESIONS TREATED NUMBER
RESULT SENT DIRECT
ROUTINE OR EMERGENCY
SARCOMA SURGICAL MARGIN
SARCOMA SURGICAL PROCEDURE TYPE
SCHEDULED SESSION DURING OR OUTSIDE
SURGICAL DEFAULT TECHNIQUE INDICATOR
SURGICAL URGENCY
TELETHERAPY ACTUAL FRACTIONS
TELETHERAPY BEAM TYPE
TELETHERAPY COMPLEXITY GROUP
TELETHERAPY ELECTRON ENERGY
TELETHERAPY FIELDS
TELETHERAPY MULTIPLE PLANNING
TELETHERAPY PHOTON ENERGY
TELETHERAPY PRESCRIBED FRACTIONS
THROMBO PROPHYLAXIS REGIME TYPE
TREATMENT EXPOSURE TYPE
TYPE OF ANAESTHETIC
UNSEALED SOURCE ISOTOPE TYPE
UNSEALED SOURCE PATIENT TYPE
VACCINATION REASON INDICATOR

CLINICAL INTERVENTION

Change to Class: Changed Attributes, Relationships

Each CLINICAL INTERVENTION

must be the reason for using one and only one MACHINE

may be the reason for administering one or more ANAESTHETIC OR ANALGESIC

may be the reason for administering one or more ANAESTHETIC OR ANALGESIC
may be the provider of one or more CLINICAL INVESTIGATION RESULT ITEM
may be the reason for one and only one EXPOSURE
may be the reason for one and only one EXPOSURE
may be the utilisation of one or more HIP CEMENTING TECHNIQUE
may be the supplier of one and only one IMMUNISATION COURSE TYPE
may be the supplier of one and only one IMMUNISATION COURSE TYPE
may be the user of one or more IMPLANT
may be classified by one or more INTERVENTION CLASSIFICATION ASSOCIATION
may be the user of one and only one SAMPLE
may be the user of one and only one SAMPLE
may be resultant in one or more SERVICE REQUEST
may be requested by one and only one SERVICE REQUEST

CYTOLOGICAL ABNORMALITY

Change to Class: New Class

An abnormality found within a CELL.

CYTOLOGICAL ABNORMALITY

Change to Class: New Class

Attributes of this Class are:

K ABNORMALITY IDENTIFIER (created)

CYTOLOGICAL ABNORMALITY

Change to Class: New Class

Each CYTOLOGICAL ABNORMALITY

K must be one and only one CELL

K must be one and only one CELL PATHOLOGICAL ABNORMALITY

MACHINE

Change to Class: Changed Relationships

Each MACHINE

must be operated by one and only one DEPARTMENT
or must be operated by one and only one DEPARTMENT
or must be owned by one and only one SERVICE POINT
or must be owned by one and only one SERVICE POINT
may be used during one or more CLINICAL INTERVENTION
may be the tool used for one or more EXPOSURE
may be the tool used for one or more EXPOSURE

MALIGNANT ABNORMALITY

Change to Class: New Class

A subtype of [CELL PATHOLOGICAL ABNORMALITY](#).

A cancerous growth that tends to spread into nearby normal [TISSUE](#) and travel to other parts of the body.

MALIGNANT ABNORMALITY

Change to Class: New Class

This class has no attributes.

MALIGNANT ABNORMALITY

Change to Class: New Class

Each MALIGNANT ABNORMALITY

may be the causation of one and only one MALIGNANT ABNORMALITY

may be caused by one or more MALIGNANT ABNORMALITY

may be caused by one or more MALIGNANT ABNORMALITY

may be the causation of one MALIGNANT ABNORMALITY

ORGAN DONATION CONSENT

Change to Class: Changed Description

A subtype of [PERSON PROPERTY](#).

~~A record that a [PERSON](#) has consented to be added to the NHS Organ Donor Register for a particular [ORGAN DONATION TYPE](#) of body parts to be used for transplantation after their death.~~A record that a [PERSON](#) has consented to be added to the NHS Organ Donor Register for a particular [ORGAN DONATION TYPE](#) of [PERSON ORGANS](#) and [TISSUES](#) to be used for transplantation after their death.

~~The [PERSON](#) may make a single or multiple choice of organs to be donated, in the latter case they will have multiple [ORGAN DONATION CONSENTS](#).~~The [PERSON](#) may make a single or multiple choice of [PERSON ORGANS](#) to be donated, in the latter case they will have multiple [ORGAN DONATION CONSENTS](#).

PATIENT DIAGNOSIS

Change to Class: Changed Relationships

Each PATIENT DIAGNOSIS

must be recorded for one and only one CARE CONTACT

must be recorded for one and only one CARE CONTACT

PERSON

Change to Class: Changed Attributes, Relationships

Attributes of this Class are:

K PERSON IDENTIFIER
DRIVER NUMBER

NATIONAL INSURANCE NUMBER
PASSPORT NUMBER
PERSON BIRTH DATE
UNIQUE PUPIL NUMBER
UNIQUE TAX REFERENCE NUMBER
VALUE ADDED TAX NUMBER FOR PERSON

PERSON

Change to Class: Changed Attributes, Relationships

Each PERSON

must be the user of one or more PERSON NAME
must be one or more PERSON ORGAN
may be registered as one and only one CARE PROFESSIONAL
may be contacted via one or more COMMUNICATION CONTACT INFORMATION
may be born in one and only one COUNTRY
may be recorded as one or more EMPLOYEE
~~may be supervisor of one or more EMPLOYEE SUPERVISOR~~
may be recorded as one or more EMPLOYEE
~~may be classified by one or more NATIONALITY OR RESIDENCY~~
may be registered as one and only one PATIENT
may be the subject of one or more PERSON DEATH DETAILS
may be related to one or more PERSON OR ORGANISATION ADDRESS
may be the reporter of one or more PERSON PROPERTY
may be the recorder of one or more PERSON PROPERTY
may be the owner of one or more PERSON PROPERTY
may be the observer of one or more PERSON PROPERTY
may be the second party in one or more PERSON RELATIONSHIP
~~may be the first party in one or more PERSON RELATIONSHIP~~
~~may be holder of one or more PROFESSIONAL REGISTRATION~~
may be one or more TISSUE TRANSPLANT

PERSON ORGAN

Change to Class: New Class

A PERSON ORGAN is a natural part or structure of the body, capable of performing some special action (termed its function), which is essential to the life or well-being of the body.

It is comprised of a group of TISSUES that perform a specific function or group of functions.

PERSON ORGAN

Change to Class: New Class

Attributes of this Class are:

K ORGAN IDENTIFIER (created)

PERSON ORGAN

Change to Class: New Class

Each PERSON ORGAN

must be one and only one PERSON

must be one and only one TISSUE

PERSON PROPERTY QUALIFIER

Change to Class: Changed Attributes, Relationships

Attributes of this Class are:

ANATOMICAL AREA

ANATOMICAL SIDE

ANATOMICAL SITE

PERSON PROPERTY QUALIFIER IDENTIFIER

PERSON PROPERTY QUALIFIER TYPE

PERSON PROPERTY QUALIFIER VALUE

PERSON PROPERTY RELATIONSHIP TYPE

RADIOTHERAPY TREATMENT REGION

PERSON PROPERTY QUALIFIER

Change to Class: Changed Attributes, Relationships

Each PERSON PROPERTY QUALIFIER

K must be qualify one and only one PERSON PROPERTY

K must be qualify one and only one PERSON PROPERTY

may be related to one and only one CARE ACTIVITY

may be related to one and only one PERSON PROPERTY

may be related to one and only one PERSON PROPERTY

PRESCRIBED ITEM

Change to Class: Changed Relationships

Each PRESCRIBED ITEM

K must be on one and only one PRESCRIPTION

must be a prescription for one and only one GENERIC PRESCRIBABLE ITEM

or must be a prescription of one and only one PROPRIETARY PRODUCT

must be a prescription for one and only one PHARMACEUTICAL PRODUCT

PRESCRIPTION

Change to Class: Changed Description, Relationships

~~A request for the dispensing of one or more items to a PATIENT. A subtype of SERVICE REQUEST.~~

A request for the dispensing of one or more items or SERVICE to a PATIENT.

Subtypes of PRESCRIPTION are

PRESCRIPTION FOR MEDICINES AND DEVICES AND BLOOD PRODUCTS

RADIOTHERAPY PRESCRIPTION

PRESCRIPTION

Change to Class: Changed Description, Relationships

Each PRESCRIPTION

must be a request from one and only one CARE PROFESSIONAL

must be for one and only one PATIENT

must be for one and only one PATIENT

must be for one or more PRESCRIBED ITEM

may be resultant in one or more DISPENSED ITEM

PRESCRIPTION FOR MEDICINES AND DEVICES AND BLOOD PRODUCTS

Change to Class: New Class

A subtype of PRESCRIPTION.

A request for dispensing one or more items or products to a PATIENT.

PRESCRIPTION FOR MEDICINES AND DEVICES AND BLOOD PRODUCTS

Change to Class: New Class

This class has no attributes.

PRESCRIPTION FOR MEDICINES AND DEVICES AND BLOOD PRODUCTS

Change to Class: New Class

RADIOTHERAPY PRESCRIPTION

Change to Class: New Class

A subtype of PRESCRIPTION.

A request for the administration of radiotherapy to a PATIENT. A RADIOTHERAPY PRESCRIPTION relates to a series of identical treatments to a single ANATOMICAL SITE.

RADIOTHERAPY PRESCRIPTION

Change to Class: New Class

This class has no attributes.

RADIOTHERAPY PRESCRIPTION

Change to Class: New Class

SERVICE REQUEST

Change to Class: Changed Attributes, Description, Relationships

Subtypes of [SERVICE REQUEST](#) are:

[REFERRAL REQUEST](#)

[DIAGNOSTIC TEST REQUEST](#)

[PRESCRIPTION](#)

A request for the provision of care services to a [PATIENT](#).

SERVICE REQUEST

Change to Class: Changed Attributes, Description, Relationships

Attributes of this Class are:

- K SERVICE REQUEST IDENTIFIER
- APPOINTMENT CLASSIFICATION CODE
- APPOINTMENT OFFER VERBAL OR WRITTEN
- DECISION TO OFFER AN APPOINTMENT DATE
- DIAGNOSTIC SERVICE REQUEST TYPE
- REFERRAL REQUEST CANCELLED DATE
- REFERRAL REQUEST RECEIVED DATE
- SERVICE REQUEST DATE
- ~~SERVICE REQUEST RAISED REASON~~
- SERVICE REQUEST TIME

SERVICE REQUEST

Change to Class: Changed Attributes, Description, Relationships

Each SERVICE REQUEST

- K must be for one and only one PATIENT
 - must be made by one and only one CARE PROFESSIONAL ORGANISATION
 - or must be made by one and only one ORGANISATION
 - or may be the reason for one or more TRANSPORT REQUIREMENT
 - must be made to one and only one CARE PROFESSIONAL ORGANISATION
 - or must be made to one and only one SERVICE POINT
 - ~~must be part of one and only one PATIENT PATHWAY~~
 - must be categorised by one and only one TREATMENT FUNCTION
 - may be resultant in one or more APPOINTMENT
 - may be resultant in one or more APPOINTMENT
 - may be the result of one and only one CARE ACTIVITY
 - may be the initiator of one or more CARE ACTIVITY
 - may be the result of one and only one CLINICAL INTERVENTION
 - may be for one or more CLINICAL INTERVENTION
 - may be the result of one and only one DECISION TO REFER
 - may be offered from one and only one HEALTH PROGRAMME
 - may be offered from one and only one HEALTH PROGRAMME
 - may be the reason for one or more PLANNED ACTIVITY
 - may be the main one linked to one or more SERVICE REQUEST RELATIONSHIP
 - may be the main one linked to one or more SERVICE REQUEST RELATIONSHIP
 - may be a subsequent one in one or more SERVICE REQUEST RELATIONSHIP
 - may be a subsequent one in one or more SERVICE REQUEST RELATIONSHIP
-

TISSUE

Change to Class: New Class

A group of similar CELLS which unite to perform a specific function.

TISSUE

Change to Class: New Class

Attributes of this Class are:

K TISSUE IDENTIFIER (created)

TISSUE

Change to Class: New Class

Each TISSUE

K must be one or more CELL
may be one or more PERSON ORGAN
may be one or more TISSUE CARE ACTIVITY
may be one and only one TISSUE TRANSPLANT

TISSUE CARE ACTIVITY

Change to Class: New Class

A subtype of CARE ACTIVITY.

An action performed to the TISSUES of a PATIENT by one or more CARE PROFESSIONALS.

TISSUE CARE ACTIVITY

Change to Class: New Class

This class has no attributes.

TISSUE CARE ACTIVITY

Change to Class: New Class

Each TISSUE CARE ACTIVITY
must be one and only one TISSUE

TISSUE TRANSPLANT

Change to Class: New Class

A subtype of CLINICAL INTERVENTION.

The transfer of TISSUE or PERSON ORGANS from one body to another, or from one place in a PERSONS body to another.

TISSUE TRANSPLANT

Change to Class: New Class

Attributes of this Class are:

K TISSUE TRANSPLANT IDENTIFIER (created)

TISSUE TRANSPLANT

Change to Class: New Class

Each TISSUE TRANSPLANT

K must be one and only one PERSON

K must be one or more TISSUE
