

Change Request

NHS Connecting for Health

NHS Data Model and Dictionary Service

Reference:	Change Request 776
Version No:	1
Subject:	Data Standards: Accident and Emergency Investigation and Treatment codes.
Type of Change:	Update to the NHS Data Model and Data Dictionary
Effective Date:	1 October 2006
Reason for Change:	Changes to the data model and data dictionary to support Version 4 Healthcare Resource Groups for Payment by Results.

Background:

Data Set Change Notice (DSCN) 32/2004, Data Standards: Payment by Results mandated the transmission of the Accident and Emergency Commissioning Data Set (A&E CDS) for all A&E types including minor injury units and walk-in centres in April 2005.

The Department of Health has begun the implementation of a new Emergency Care strategy that includes incorporating Emergency and Urgent Care into the Payment by Results initiative.

This DSCN enhances the investigation and treatment codes for entry into the A&E dataset to reflect legitimate variation in casemix and collect information that is of value to managers and policy advisors and does not impose an unnecessary burden on front-line staff.

Feedback from the pilot sites used during the development of the dataset changes recommends that accessible electronic data capture systems and adequate training be in place to support the capture of the A&E CDS. From their experience, the pilot sites considered appropriate systems and training essential to managing this task and Trusts are encouraged to evaluate their current systems.

This DSCN introduces national codes for ACCIDENT AND EMERGENCY DEPARTMENTS. This new data element will be added to the A&E CDS for transmission from April 2007. Further details will be provided in a Data Set Change Notice defining version 6 of the CDS message schema to be published in September 2006.

Trusts will be able to allocate their Healthcare Resource Groups (HRG) locally using the HRG Grouper software Version 4 available to download to local systems from the Information Centre by the date of implementation. It is planned that the Secondary Uses Service (SUS) will allocate HRGs from the appropriate data contained within the A&E CDS from April 2007.

The modified dataset will enable Trusts to continue to calculate their own Reference Costs using the HRG Grouper software Version 4. The Department of Health will set tariffs on a national basis to enable both commissioning and Payment by Results to be implemented for Emergency and Urgent Care services across all Trusts with effect from April 2008.

Summary of changes:

Attribute Definitions

ACCIDENT AND EMERGENCY DEPARTMENT TYPE	Change to Description
ACCIDENT AND EMERGENCY INVESTIGATION	Change to Description
ACCIDENT AND EMERGENCY TREATMENT	Change to Description

Data Elements

A+E DEPARTMENT TYPE	New Data Element
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Dataset

[ACCIDENT AND EMERGENCY ATTENDANCE CDS TYPE](#) Change to Table

Supporting Information

[A&E INVESTIGATION TABLE](#)

Change to Supporting Information

[A&E TREATMENT TABLES](#)

Change to Supporting Information

Name:

Date: 29 March 2006

Sponsor: Chris Watson, Head of Tariff Development for Payment by Results, Department of Health

Note: New text is indicated with blue highlighting. Deleted text is indicated by a strikethrough. Within the Diagrams deleted classes and relationships are red, changed items are blue and new items are green.

ACCIDENT AND EMERGENCY DEPARTMENT TYPE

Change to Attribute: Change to Description

A classification of Accident And Emergency Department according to the ACTIVITY performed.

Classification: **National Codes:**

- ~~a. A CONSULTANT led ACTIVITY with full resuscitation facilities and designated accommodation for the reception of accident and emergency PATIENTS~~
- 01 Emergency departments are a consultant led 24 hour service with full resuscitation facilities and designated accommodation for the reception of accident and emergency PATIENTS
- ~~b. A single specialty accident and emergency ACTIVITY (eg paediatrics, ophthalmology, dental) with designated accommodation for the reception of PATIENTS~~
- 02 Consultant led mono specialty accident and emergency service (e.g. ophthalmology, dental) with designated accommodation for the reception of PATIENTS
- ~~c. Other type of A&E/minor injury ACTIVITY with designated accommodation for the reception of accident and emergency PATIENTS~~
- 03 Other type of A&E/minor injury ACTIVITY with designated accommodation for the reception of accident and emergency PATIENTS. The department may be doctor led or nurse led and treats at least minor injuries and illnesses and can be routinely accessed without appointment. A service mainly or entirely appointment based (for example a GP practice or outpatient clinic) is excluded even though it may treat a number of patients with minor illness or injury. Excludes NHS walk-in centres
- 04 NHS walk in centres

This attribute is also known by these names:

Context	Alias
plural	ACCIDENT AND EMERGENCY DEPARTMENT TYPES

ACCIDENT AND EMERGENCY INVESTIGATION

Change to Attribute: Change to Description

A broad coding of types of investigation which may be requested to assist with diagnosis as a result of Accident And Emergency Attendances.

Classification:

- a. X-ray
- b. ECG
- c. Haematology
- d. Cross match
- e. Biochemistry
- f. Urine
- g. Bacteriology
- h. Histology
- i. Computerised tomography (CT)
- j. Ultrasound
- k. Magnetic Resonance Imaging (MRI)
- t. Other

Accident and Emergency Investigation Clinical Codes [See Accident and Emergency Investigation Clinical Codes](#)

This attribute is also known by these names:

Context	Alias
plural	ACCIDENT AND EMERGENCY INVESTIGATIONS

ACCIDENT AND EMERGENCY TREATMENT

Change to Attribute: Change to Description

A broad coding of types of treatment or guidance which may be provided to a PATIENT as a result of Accident And Emergency Attendances.

Classification:

- a. Dressing
- b. Bandage
- c. Sutures
- d. Wound closure (excluding sutures)
 - i. steristrips
 - ii. wound glue
 - iii. other
- e. Plaster of Paris
- f. Splint
- g. Prescription
- h. Removal of foreign body
- i. Physiotherapy
 - i. manipulation
 - ii. other physiotherapy
- j. Reduction
- k. T&D
- t. IV cannula
- m. Central line
- n. Lavage/emesis
- o. Intubation
- p. Chest drain
- q. Urinary catheter
- r. Defibrillation/pacing

- s- Resuscitation
- t- Minor surgery
- tr- Observation
- v- Guidance
 - i- written
 - ii- verbal
- w- Anaesthesia
 - i- general anaesthetic
 - ii- local anaesthetic
 - iii- regional block
 - iv- entonox
 - v- sedation
 - vii- other
- x- Tetanus
 - i- immune
 - ii- tetanus toxoid course
 - iii- tetanus toxoid booster
 - iv- human immunoglobulin
 - v- combined tetanus/diphtheria course
 - vi- combined tetanus/diphtheria booster
- y- Nebuliser
- z- Parenteral thrombolysis
- aa- Other parenteral drugs
- ab- Other
- ae- None

Accident and Emergency Investigation Clinical Codes [See Accident and Emergency Investigation Clinical Codes](#)

This attribute is also known by these names:

Context	Alias
plural	ACCIDENT AND EMERGENCY TREATMENTS

A+E DEPARTMENT TYPE

Change to Data Element: New Data Element

A+E DEPARTMENT TYPE

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

Notes:

A classification of ACCIDENT AND EMERGENCY DEPARTMENT TYPE according to the ACTIVITY performed.

This data element is also known by these names:

Context	Alias
plural	A+E DEPARTMENT TYPES

ACCIDENT AND EMERGENCY ATTENDANCE CDS TYPE

Change to Dataset: Change to Table

COMMISSIONING DATA SET (CDS)

ACCIDENT AND EMERGENCY ATTENDANCE CDS TYPE

The Accident and Emergency Commissioning Data Set Type carries the data for an Accident and Emergency Attendance Episode.

The column headed Opt (Optionality) shows whether the Data Element is Mandatory M, Optional O or Must Not Be Used *.

Opt	CDS Data Element	U/A
Person Group (Patient): To carry the personal details of the Patient. One occurrence of this Group is permitted.		
M	LOCAL PATIENT IDENTIFIER	
M	ORGANISATION CODE (LOCAL PATIENT IDENTIFIER)	
M	ORGANISATION CODE TYPE	
O	NHS NUMBER	
M	BIRTH DATE	
O	CARER SUPPORT INDICATOR	
*	ETHNIC CATEGORY	
*	MARITAL STATUS (psychiatric patients only)	
M	NHS NUMBER STATUS INDICATOR	
M	SEX	
O	NAME FORMAT CODE	
O	PATIENT NAME	
O	ADDRESS FORMAT CODE	
O	PATIENT USUAL ADDRESS	
M	POSTCODE OF USUAL ADDRESS	
M	ORGANISATION CODE (PCT OF RESIDENCE)	
M	ORGANISATION CODE TYPE	

Note:

For reasons of confidentiality, the patient's preferred name and address (not including POSTCODE OF USUAL ADDRESS) must **not** be carried where a valid NHS Number is present.

(HCA) GP Registration: To carry the details of the Patient's Registered GMP. One occurrence of this Group is permitted.		
M	GMP (CODE OF REGISTERED OR REFERRING GMP)	
O	CODE OF GP PRACTICE (REGISTERED GMP)	
O	ORGANISATION CODE TYPE	
(HCA) Attendance Occurrence Activity Characteristics: To carry the details of the Accident and Emergency attendance.		
M	A+E ATTENDANCE NUMBER	
M	A+E ARRIVAL MODE	
M	A+E ATTENDANCE CATEGORY	
M	A+E ATTENDANCE DISPOSAL	
M	A+E INCIDENT LOCATION TYPE	
M	A+E PATIENT GROUP	

M	SOURCE OF REFERRAL FOR A+E	
M	A+E DEPARTMENT TYPE (from April 2007)	
M	ARRIVAL DATE	
M	A+E ATTENDANCE CONCLUSION TIME	
M	A+E DEPARTURE TIME	
M	A+E INITIAL ASSESSMENT TIME (first and unplanned follow-up attendances only)	
M	A+E TIME SEEN FOR TREATMENT	
M	ARRIVAL TIME	
(HCA) Attendance Occurrence - Service Agreement Details: To carry the details of the Service Agreement for the Accident and Emergency Attendance.		
M	COMMISSIONING SERIAL NUMBER	
O	NHS SERVICE AGREEMENT LINE NUMBER	
O	PROVIDER REFERENCE NUMBER	
O	COMMISSIONER REFERENCE NUMBER	
M	ORGANISATION CODE (CODE OF PROVIDER)	
M	ORGANISATION CODE TYPE	
M	ORGANISATION CODE (CODE OF COMMISSIONER)	
M	ORGANISATION CODE TYPE	
(HCA) Attendance Occurrence Person Group (Consultant): To carry the details of the responsible Clinician. One occurrence of this Group is permitted.		
M	A+E STAFF MEMBER CODE	
(HCA) Attendance Occurrence - Clinical Information Group (Diagnosis Occurrence): To carry the details of the coded Diagnosis Scheme and the Diagnoses. Up to 2 occurrences of this Group are permitted.		
M	DIAGNOSIS SCHEME IN USE	
M	ACCIDENT AND EMERGENCY DIAGNOSIS - FIRST	
M	ACCIDENT AND EMERGENCY DIAGNOSIS - SECOND	
(HCA) Attendance Occurrence - Clinical Information Group (Investigation Occurrence): To carry the details of the coded Investigation Activities undertaken. Up to 2 occurrences of this Group are permitted.		
M	INVESTIGATION SCHEME IN USE	
M	ACCIDENT AND EMERGENCY INVESTIGATION - FIRST	
M	ACCIDENT AND EMERGENCY INVESTIGATION - SECOND	
(HCA) Attendance Occurrence - Clinical Information Group (Treatment Occurrence): To carry the details of the coded Treatment Activities undertaken. Up to 2 occurrences of this Group are permitted.		
M	PROCEDURE SCHEME IN USE	
M	ACCIDENT AND EMERGENCY TREATMENT - FIRST	
M	ACCIDENT AND EMERGENCY TREATMENT - SECOND	
(HCA) Healthcare Resource Group Activity - Activity Characteristics: To carry the details of the Healthcare Resource Group and will be mandatory from 01/10/2001. Each CDS may contain only a single occurrence of this Group.		
M	HEALTHCARE RESOURCE GROUP CODE	
M	HEALTHCARE RESOURCE GROUP CODE-VERSION NUMBER	

Note:

In addition, Accident and Emergency reference costs are mandated and collected via a direct, non-NWCS data flow between Providers and the Department of Health.

(HCA) Healthcare Resource Group Activity - Clinical Activity Group:
To carry the details of the HRG Dominant Grouping Variable - Procedure. Note that this will not apply when no operation was carried out. In this case, the segment referring to HRG Dominant Grouping Variable - Procedure should be omitted. Only one Procedure either OPCS or READ may be

specified	
O	PROCEDURE SCHEME IN USE
O	HRG DOMINANT GROUPING VARIABLE-PROCEDURE

A&E INVESTIGATION TABLE

Change to Supporting Information: Change to Supporting Information

Accident and Emergency Clinical Coding Structure

ACCIDENT and EMERGENCY CLINICAL CODES

Accident and Emergency Investigation

A broad classification of types of investigation which may be requested to assist with diagnosis as a result of Accident And Emergency Attendance.

1. Certain items are sub-analysed to specify the diagnosis, investigation or treatment more precisely. These are marked with an asterisk. The diagnosis sub-analysis list follows the main diagnosis list, and the treatment sub-analysis list follows the main treatment list.
2. It is recommended that computerised systems provide a minimum of six character fields for each category in order to accommodate more detailed information if necessary. Where fewer than six characters are required for coding, such as for investigations and treatments, it is recommended that the codes are left-justified and the unused fields left blank.
3. ACCIDENT AND EMERGENCY INVESTIGATION is a six character code, comprising:

Investigation	n2 (see Table below)
Local sub-Analysis	up to an4

Accident And Emergency Investigation Table

Investigation	Code
X-ray	01
X-ray plain film	01
ECG	02
Electrocardiogram	02
Haematology	03
Cross match	04
Cross match blood/group and save serum for later cross match	04
Biochemistry	05
Urine	06
Urinalysis	06
Bacteriology	07
Histology	08
Computerised Tomography	09
Computerised Tomography - Retired 2006-04-01	09
Ultrasound	10
Magnetic Resonance Imaging (MRI)	11
Magnetic Resonance Imaging	11

Computerised Tomography (excludes genito urinary contrast examination/tomography)	12
Genito urinary contrast examination/tomography	13
Clotting studies	14
Immunology	15
Cardiac enzymes	16
Arterial/capillary blood gas	17
Toxicology	18
Blood culture	19
Serology	20
Pregnancy test	21
Dental investigation	22
Refraction, orthoptic tests and computerised visual fields	23
None	24
Other	99

Items expected to be sub-analysed at discretion of individual A&E departments.

A&E TREATMENT TABLES

Change to Supporting Information: Change to Supporting Information

Accident and Emergency Clinical Coding Structure

ACCIDENT and EMERGENCY CLINICAL CODES

Accident and Emergency Treatment

A broad classification of types of treatment or guidance which may be provided to a PATIENT as a result of Accident And Emergency Attendance.

1. Certain items are sub-analysed to specify the diagnosis, investigation or treatment more precisely. These are marked with an asterisk. The diagnosis sub-analysis list follows the main diagnosis list, and the treatment sub-analysis list follows the main treatment list.
2. It is recommended that computerised systems provide a minimum of six character fields for each category in order to accommodate more detailed information if necessary. Where fewer than six characters are required for coding, such as for investigations and treatments, it is recommended that the codes are left-justified and the unused fields left blank.
3. ACCIDENT AND EMERGENCY TREATMENT is a six character code, comprising:

Condition	n2 (see Treatment Table below)
Sub-Analysis	n1 (see Sub-analysis Table below)
Local use	up to an3

Accident and Emergency Treatment - Treatment

Treatment	Code
Dressing	01
Dressing*	01
Bandage	02

Bandage/support	02
Sutures	03
Sutures*	03
Wound closure, other*	04
Wound closure (excluding sutures)*	04
Plaster of Paris	05
Plaster of Paris*	05
Splint	06
Prescription	07
Prescription - Retired 2006-04-01	07
Removal foreign body	08
Physiotherapy*	09
Reduction	10
Manipulation*	10
I&D (Incision & Drainage)	11
Incision & drainage	11
Intravenous cannula	12
Central line	13
Lavage/Emesis	14
Lavage/emesis/charcoal/eye irrigation	14
Intubation	15
Intubation & Endotracheal tubes/laryngeal mask airways/rapid sequence induction	15
Chest drain	16
Urinary catheter	17
Urinary catheter/suprapubic	17
Defibrillation/pacing	18
Defibrillation/pacing*	18
Resuscitation	19
Resuscitation/cardiopulmonary resuscitation	19
Minor surgery	20
Observation	21
Observation/electrocardiogram, pulse oximetry/head injury/trends	21
Guidance*	22
Guidance/advice only*	22
Anaesthesia*	23
Tetanus*	24
Nebuliser	25
Nebuliser/spacer	25
Parenteral thrombolysis*	28
Parenteral thrombolysis	29
Other Parenteral drugs*	29
Other Parenteral drugs	29
Recording vital signs	30
Burns review	31
Recall/x-ray review	32
Fracture review	33
Wound cleaning	34

Dressing/wound review	35
Sling/collar cuff/broad arm sling	36
Epistaxis control	37
Nasal airway	38
Oral airway	39
Supplemental oxygen	40
Continuous positive airways pressure/nasal intermittent positive pressure ventilation/bag valve mask	41
Other	27
Arterial line	42
None	99
Infusion fluids	43
Blood product transfusion	44
Pericardiocentesis	45
Lumbar puncture	46
Joint aspiration	47
Minor plastic procedure/split skin graft	48
Active rewarming of the hypothermic patient	49
Cooling - control body temperature	50
Medication administered*	51
Occupational Therapy*	52
Loan of walking aid (crutches)	53
Social work intervention	54
Eye*	55
Dental treatment	56
Prescription\medicines prepared to take away	57
Other (consider alternatives)	27
None (consider guidance/advice option)	99

Items sub-analysed in Table below

Accident and Emergency Treatment - Sub-analysis

Sub-analysis Treatment		Code
Wound closure, other	steristrips wound glue other	1 2 3
Dressing	- dressing minor wound/burn/eye - dressing major wound/burn	1 2
Physiotherapy	manipulation other physiotherapy	1 2
Sutures	- primary sutures - secondary/complex suture - removal of sutures/clips	1 2 3
Wound closure (excluding sutures)	- steristrips - wound glue - other (e.g. clips)	1 2 3
Guidance	written verbal	1 2
Plaster of Paris	- application Plaster of Paris - removal Plaster of Paris	1 2

Physiotherapy	-strapping, ultra sound treatment, short wave diathermy, manipulation - gait re-education, falls prevention	1 2
Manipulation	- manipulation of upper limb fracture - manipulation of lower limb fracture - manipulation of dislocation	1 2 3
Defibrillation/pacing	- defibrillation - external pacing	1 2
Guidance/advice only	- written - verbal	1 2
Anaesthesia	- general anaesthetic - local anaesthetic - regional block - entonox - sedation - other	1 2 3 4 5 6
Tetanus	- immune - tetanus toxoid course - tetanus toxoid booster - human immunoglobulin - combined tetanus/diphtheria course - combined tetanus/diphtheria booster	1 2 3 4 5 6
Parenteral thrombolysis	- streptokinase parenteral thrombolysis - recombinant - plasminogen activator	1 2
Other Parenteral drugs	- intravenous drug, e.g. stat/bolus - intravenous infusion	1 2
Medication administered	- oral - intra-muscular - subcutaneous - per rectum - sublingual - intra-nasal - eye drops - ear drops - topical skin cream	1 2 3 4 5 6 7 8 9
Occupational Therapy	- OT functional assessment - OT activities of daily living equipment provision	1 2
Eye	- orthoptic exercises - laser of retina/iris or posterior capsule - retrobulbar injection - epilation of lashes - subconjunctival injection	1 2 3 4 5

Please address enquiries about this DSCN to: -
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