

Data Dictionary: Accident and Emergency

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A&E Data Dictionary

Welcome to the Accident and Emergency (A&E) Hospital Episodes Statistics (HES) Data Dictionary. If you have any feedback or suggestions about this document please don't hesitate to contact us [<http://www.hesonline.nhs.uk/Ease/servlet/ContentServer?siteID=1937&categoryID=377>].

Introducing A&E data

The A&E data set, which is made up of individual records for all A&E attendances occurring in England, is a rich source of detailed records. These records can be analysed to produce a much wider variety of statistics about patterns of service use than have previously been available from aggregate data returns.

There are known weaknesses in the data, but rather than withhold this already useful dataset we have released it as 'experimental' and are seeking feedback from data suppliers and users to help us bring about rapid improvements and developments needed to support key NHS business and policy areas.

A&E data from 2007-08 is currently available in HES. For more information about A&E data, please see the HESonline website [<http://www.hesonline.nhs.uk>].

About the data dictionary

The A&E data is made up of many data items relating to A&E attendances delivered by NHS organisations in England. Many of these items form part of the national Commissioning Data Set (CDS), and are generated by the patient administration systems within each hospital.

In line with other HES datasets, a number of cleaning rules have been applied to the A&E data. To find out more details about these please refer to the A&E cleaning rules document on HESonline [<http://www.hesonline.nhs.uk>].

In addition to the CDS items, HES provides information that is derived from these. For example, the age of the patient is derived from their date of birth and attendance date. These derivations assist in the production of aggregate summaries (tabulations), and also help ensure patient confidentiality.

This version of the A&E Data Dictionary is split into a number of different categories. You can find details of the categories and items within them in the contents list below.

Copyright

Many of the data field descriptions contained within this document have been sourced from the NHS Connecting for Health's NHS Data Model and Dictionary Service [<http://www.connectingforhealth.nhs.uk/systemsandservices/data/datamodeldictionary/datamodeldictionary/content>].

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HES field name **Arrival mode**

Field	aearrivalmode
Class	Attendances
Length and format	1n
Availability	2007-08 onwards

Description

The mode by which a patient arrived at an A&E department.

Value

- 1 = Brought in by ambulance (including helicopter / Air Ambulance)
- 2 = Other
- 9 = Not known

Data cleaning Rule 84

HES field name **Attendance category**

Field	aeattendcat
Class	Attendances
Length and format	1n
Availability	2007-08 onwards

Description

An indication of whether a patient is making an initial or follow-up attendance within a particular A&E Department.

The first attendance (1) is the first in a series, or the only attendance, in a particular A&E Episode.

A planned follow-up A&E attendance (2) is a subsequent planned attendance at the same department, and for the same incident as the first attendance.

An unplanned follow-up A&E attendance (3) is a subsequent unplanned attendance at the same department, and for the same incident as the first attendance.

Value

- 1 = First Accident and Emergency attendance
- 2 = Follow-up Accident and Emergency attendance - planned
- 3 = Follow-up Accident and Emergency attendance - unplanned
- 9 = Not known

Data cleaning Rule 86

HES field name	Attendance disposal
Field	aeattenddisp
Class	Attendances
Length and format	2n
Availability	2007-08 onwards
Description	
The way in which an A&E attendance might end.	
Value	
01 = Admitted to hospital bed / became a lodged patient of the same health care provider	
02 = Discharged – follow-up treatment to be provided by general practitioner	
03 = Discharged – did not require any follow-up treatment	
04 = Referred to A&E clinic	
05 = Referred to fracture clinic	
06 = Referred to other outpatient clinic	
07 = Transferred to other healthcare provider	
10 = Died in department	
11 = Referred to other healthcare professional	
12 = Left department before being treated	
13 = Left department having refused treatment	
14 = Other	
99 = Not known	
Data cleaning	Rule 88

HES field name **Attendance number**

Field	Aeattendno
Class	Attendances
Length and format	12an
Availability	2007-08 onwards

Description

A unique ID number assigned by the A&E department.

The Attendance number (aeattendno) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Value

12an = Unique ID assigned by the A&E department.

Data cleaning	Data not cleaned
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HES field name **Department type**

Field	Adepttype
Class	Attendances
Length and format	2an
Availability	2007-08 onwards

Description

A classification of A&E department type according to the activity carried out.

Value

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

02 = Consultant-led mono specialty accident and emergency service (eg ophthalmology, dental) with designated accommodation for the reception of 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

99 = Not known

Data cleaning	Rule 102
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HES field name **Duration to assessment**

Field	initdur
Class	Attendances
Length and format	4n
Availability	2007-08 onwards

Description

The time (expressed as a whole number of minutes) between the patient's arrival and their initial assessment.

Value

4n = The time (in whole minutes) between the patient's arrival and their initial assessment

Data cleaning	Rule 250
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HES field name **Duration to treatment**

Field	tretdur
Class	Attendances
Length and format	4n
Availability	2007-08 onwards

Description

The time (expressed as a whole number of minutes) between the patient's arrival and the start of their treatment.

Value

4n = The time (in minutes) between the patient's arrival and the start of their treatment

Data cleaning	Rule 260
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HES field name **Duration to conclusion**

Field	concldur
Class	Attendances
Length and format	4n
Availability	2007-08 onwards

Description

The time (expressed as a whole number of minutes) between the patient's arrival and conclusion of their attendance or treatment (whichever is later).

Value

4n = The time (in whole minutes) between the patient's arrival and the conclusion of their attendance or treatment (whichever is later)

Data cleaning	Rule 270
---------------	----------

HES field name **Duration to departure**

Field	depdur
Class	Attendances
Length and format	4n
Availability	2007-08 onwards

Description

The time (expressed as a whole number of minutes) between the patient's arrival, and the time the A&E attendance has concluded and the department is no longer responsible for the care of the patient.

Value

4n = The time (in minutes) between the patient's arrival and when the A&E attendance has concluded

Data cleaning	Rule 274
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HES field name	Incident location type
Field	aeincloctype
Class	Attendances
Length and format	2an
Availability	2007-08 onwards
Description	
Classification of the place where the incident occurred that led to an A&E episode.	
Value	
10 = Home	
40 = Work	
50 = Educational establishment	
60 = Public place	
91 = Other	
99 = Not known	
Data cleaning	Rule 92

HES field name	Patient group
Field	aepatgroup
Class	Attendances
Length and format	2an
Availability	2007-08 onwards
Description	
The reason for an A&E episode.	
Value	
10 = Road traffic accident	
20 = Assault	
30 = Deliberate self-harm	
40 = Sports injury	
50 = Firework injury	
60 = Other accident	
70 = Brought in dead	
80 = Other than above	
99 = Not known	
Data cleaning	Rule 96

HES field name	Source of referral
Field	aerefsource
Class	Attendances
Length and format	2an
Availability	2007-08 onwards
Description	
The source of referral for each A&E episode.	
Value	
00 = General medical practitioner	
01 = Self referral	
02 = Local authority social services	
03 = Emergency services	
04 = Work	
05 = Educational establishment	
06 = Police	
07 = Health care provider: same or other	
08 = Other	
92 = General dental practitioner	
93 = Community dental service	
99 = Not known	
Data cleaning	Rule 98

HES field name	Staff member code
Field	Aestaffcode
Class	Attendances
Length and format	3an
Availability	2007-08 onwards
Description	
<p>A local code used to identify the person principally responsible for the care of a patient during an A&E attendance. This will mainly be the person who took responsibility for the discharge of the patient.</p> <p>The Staff member code (aestaffcode) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).</p>	
Value	
<p>3an = Local code to identify the person principally responsible for the care of a patient</p>	
Data cleaning	Data not cleaned

HES field name	Arrival date
Field	arrivaldate
Class	Attendances
Length and format	ddmmyyy
Availability	2007-08 onwards
Description	
<p>The arrival date of a patient in the A&E department.</p>	
Value	
<p>ddmmyyy = The arrival date of a patient in the A&E department</p>	
Data cleaning	Rule 30

HES field name **Arrival time**

Field	arrivaltime
Class	Attendances
Length and format	hhmm
Availability	2007-08 onwards

Description

The time of patient arrival in the A&E department. For 'urgent transport requests' this is the time the vehicle arrives at the specified destination.

Value

hhmm = The time a patient arrives in the A&E department

Data cleaning	Rule 70
---------------	---------

HES field name **Initial assessment time**

Field	inittime
Class	Attendances
Length and format	hhmm
Availability	2007-08 onwards

Description

The time when a patient is assessed by medical or nursing staff in an A&E department to determine priority for treatment. The assessment should be conducted by medical or nursing staff who have received appropriate training in triage.

Value

hhmm = The time when a patient is assessed by medical or nursing staff

Data cleaning	Rule 76
---------------	---------

HES field name **Time seen for treatment**

Field	trettime
Class	Attendances
Length and format	hhmm
Availability	2007-08 onwards

Description

The time, recorded using a 24 hour clock, that the patient is seen by a health professional to diagnose the problem and arrange or start tests and start treatment as necessary.

Value

hhmm = The time the patient is seen to diagnose the problem

Data cleaning	Rule 79
----------------------	---------

HES field name **Conclusion time**

Field	concltime
Class	Attendances
Length and format	hhmm
Availability	2007-08 onwards

Description

The time that a patient's A&E attendance ends or when treatment in A&E is completed (whichever is the later).

Value

hhmm = The time that a patient's A&E attendance end or treatment is completed

Data cleaning	Rule 82
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HES field name	Departure time
Field	deptime
Class	Attendances
Length and format	hhmm
Availability	2007-08 onwards
Description	
<p>A&E departure time is the time that a patient leaves the A&E department after an A&E attendance has concluded and the department is no longer responsible for the care of the patient. Temporary absences from the A&E department are ignored.</p> <p>For example, during an A&E attendance the patient may leave the department for a short time for an X-ray, but they remain under the care of an A&E consultant.</p> <p>Note that A&E Attendance Conclusion time and A&E Departure times will be different for patients who wait for transport or who are lodged patients prior to admission to a ward.</p>	
Value	
hhmm = The time that a patient leaves the A&E department	
Data cleaning	Rule 73

Clinical diagnosis

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HES field name **A&E diagnosis**

Field	diag n
Class	Clinical diagnoses
Length and format	6an
Availability	2007-08 onwards

Description

The A&E diagnosis code recorded for an A&E attendance. The CDS allows an unlimited number of diagnoses to be submitted, however, only the first 12 diagnoses are available within HES.

The A&E diagnosis is a six character code made up of, diagnosis condition (n2), sub-analysis (n1), anatomical area (n2) and anatomical side (an1). Only certain diagnoses contain a sub-analysis.

Value

6an = An A&E diagnosis classification code

Data cleaning	Data not cleaned
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HES field name **A&E diagnosis: 2 character**

Field	diag2 n D
Class	Clinical diagnoses
Length and format	Various
Availability	2007-08 onwards

Description

The A&E diagnosis description at 2-character level covering the diagnosis condition.

This field contains a description based on the diagnosis condition (first 2 characters) of the A&E diagnosis and only displays a code where it is unclassifiable against the A&E Diagnosis classification.

Value

Laceration
 Contusion / abrasion
 Soft tissue inflammation
 Head injury
 Dislocation / fracture / joint injury / amputation
 Sprain/ligament injury
 Muscle/tendon injury
 Nerve injury
 Vascular injury
 Burns and scalds
 Electric shock
 Foreign body

Bites / stings
Poisoning (including overdose)
Near drowning
Visceral injury
Infectious disease
Local infection
Septicaemia
Cardiac conditions
Cerebro-vascular conditions
Other vascular conditions
Haematological conditions
Central nervous system conditions (excluding stroke)
Respiratory conditions
Gastrointestinal conditions
Urological conditions (including cystitis)
Obstetric conditions
Gynaecological conditions
Diabetes and other endocrinological conditions
Dermatological conditions
Allergy (inc anaphylaxis)
Facio-maxillary conditions
ENT conditions
Psychiatric conditions
Ophthalmological conditions
Social problems (inc chronic alcoholism and homelessness)
Diagnosis not classifiable
Nothing abnormal detected

Data cleaning

Rule 590

HES field name **A&E diagnosis: 3 character**

Field	diag3 n D
Class	Clinical diagnoses
Length and format	Various
Availability	2007-08 onwards

Description

The A&E diagnosis description at 3-character level, covering the diagnosis condition and the sub-analysis.

Note that if no sub-analysis has been provided or is not applicable then the 2-character description will be displayed if available.

This field contains a description based on the diagnosis condition and sub-analysis (first 3 characters where applicable) and only displays a code where it is unclassifiable against the A&E Diagnosis classification.

Value

- Laceration
- Contusion
- Abrasion
- Soft tissue inflammation
- Concussion
- Other head injury
- Dislocation
- Open fracture
- Closed fracture
- Joint injury
- Amputation
- Sprain/ligament injury
- Muscle/tendon injury
- Nerve injury
- Vascular injury
- Burns and scalds - electric
- Burns and scalds - thermal
- Burns and scalds - chemical
- Burns and scalds - radiation
- Electric shock
- Foreign body
- Bites/stings
- Poisoning (inc overdose) - prescriptive drugs
- Poisoning (inc overdose) - proprietary drugs
- Poisoning (inc overdose) - controlled drugs
- Poisoning (inc overdose) - other, inc alcohol
- Near drowning
- Visceral injury
- Infectious disease - notifiable
- infectious disease - non-notifiable
- Local infection
- Septicaemia
- Cardiac conditions - myocardial ischaemia & infarction
- Cardiac conditions - other non-ischaemia
- Cerebro-vascular conditions

Other vascular conditions
Haematological conditions
Central nervous system conditions - epilepsy
Central nervous system conditions - other non-epilepsy
Respiratory conditions - bronchial asthma
Respiratory conditions - other non-asthma
Gastrointestinal conditions - haemorrhage
Gastrointestinal conditions - acute abdominal pain
Gastrointestinal conditions - other
Urological conditions (inc cystitis)
Obstetric conditions
Gynaecological conditions
Diabetes and other endocrinological conditions - diabetic
Diabetes and other endocrinological conditions - other non-diabetic
Dermatological conditions
Allergy (inc anaphylaxis)
Facio-maxillary conditions
ENT conditions
Psychiatric conditions
Ophthalmological conditions
Social problems (inc chronic alcoholism and homelessness)
Diagnosis not classifiable

Nothing abnormal detected

Data cleaning

Rule 590

HES field name	A&E diagnosis - anatomical area
Field	Diagn D
Class	Clinical Diagnoses
Length and format	Various
Availability	2007-08 onwards
Description	
<p>The A&E diagnosis anatomical area (a classification of parts of the human body).</p> <p>This field contains a description of the diagnosis anatomical area and only displays a code where it is unclassifiable against the A&E Diagnosis classification.</p>	
Value	
<ul style="list-style-type: none"> Brain Head Face Eye Ear Nose Mouth, Jaw, Teeth Throat Neck Shoulder Axilla Upper Arm Elbow Forearm Wrist Hand Digit Cervical spine Thoracic Lumbosacral spine Pelvis Chest Breast Abdomen Back/buttocks Ano/rectal Genitalia Hip Groin Thigh Knee Lower leg Ankle Foot Toe <p>Multiple sites</p>	
Data cleaning	Rule 590

HES field name **A&E diagnosis - anatomical side**

Field	Diagnosis D
Class	Clinical Diagnoses
Length and format	Various
Availability	2007-08 onwards

Description

The A&E diagnosis anatomical side (an indication of the side of the human body).

This field contains a description of the diagnosis anatomical side and only displays a code where it is unclassifiable against the A&E Diagnosis classification.

Value

- Left
- Right
- Bilateral
- Not applicable

Data cleaning	Rule 590
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Clinical Investigation

A&E Investigation (invest n)	24
A&E Investigation - 2 Char (invest n D)	25

HES field name	A&E investigation
Field	invest n
Class	Clinical Investigations
Length and format	6an
Availability	2007-08 onwards
Description	
<p>The A&E investigation recorded for an A&E attendance. The CDS allows an unlimited number of investigations to be submitted, however, only the first 12 investigations are available within HES.</p> <p>The A&E investigation is a six character code made up of, investigation (n2) and local sub-analysis (up to an4). As the sub-analysis is for local use it cannot be classified.</p>	
Value	
6an = An A&E investigation classification code	
Data cleaning	Data not cleaned

HES field name	A&E Investigation: 2 character
Field	invest n D
Class	Clinical Investigations
Length and format	Various
Availability	2007-08 onwards
Description	
<p>The A&E investigation description.</p> <p>This field contains a description based upon the investigation (first 2 characters) of the A&E investigation code and only displays a code where it is unclassifiable against the A&E Investigation classification.</p>	
Value	
<ul style="list-style-type: none"> X-ray plain film Electrocardiogram Haematology Cross match blood/group & save serum for later cross match Biochemistry Urinalysis Bacteriology Histology Computerised tomography (retired 2006) Ultrasound Magnetic resonance imaging Computerised tomography (exc genito urinary contrast examination/tomography) Genitourinary contrast examination/tomography Clotting studies Immunology Cardiac enzymes Arterial/capillary blood gas Toxicology Blood culture Serology Pregnancy test Dental investigation Refraction, orthoptic tests and computerised visual fields None Other 	
Data cleaning	Data not cleaned

Clinical Treatment

A&E Treatment (treat n)	27
A&E Treatment - 2 Char (treat2 n D)	27
A&E Treatment - 3 Char (treat3 n D)	29

HES field name	A&E treatment
Field	treat n
Class	Clinical Treatments
Length and format	6an
Availability	2007-08 onwards
Description	
<p>The A&E treatment recorded for an A&E attendance. The CDS allows an unlimited number of treatments to be submitted, however, only the first 12 treatments are available within HES.</p> <p>The A&E treatment is a six character code made up of, treatment (n2), sub-analysis (n1) and a local use section (up to an3). As the local use section is used for local codes it cannot be classified.</p>	
Value	
6an = An A&E treatment classification code	
Data cleaning	Data not cleaned

HES field name	A&E Treatment: 2 character
Field	treat2 n D
Class	Clinical Treatments
Length and format	Various
Availability	2007-08 onwards
Description	
<p>The A&E treatment description at 2-character level covering the treatment.</p> <p>This field contains a description based upon the treatment (first 2 characters) of the A&E treatment code and only displays a code where it is unclassifiable against the A&E Investigation classification.</p>	
Value	
<ul style="list-style-type: none"> Dressing Bandage/support Sutures Wound closure (exc sutures) Plaster of Paris Splint Prescription (retired 2006) Removal foreign body Physiotherapy Manipulation Incision and drainage Intravenous cannula 	

Central line
Lavage/emesis/charcoal/eye irrigation
Intubation & Endotracheal tubes/laryngeal mask airways/rapid sequence induction
Chest drain
Urinary catheter/suprapubic
Defibrillation/pacing
Resuscitation/cardioipulmonary resuscitation
Minor surgery
Observation/electrocardiogram,pulse oximetry/head injury/trends
Guidance/advice only
Anaesthesia
Tetanus
Nebulise/spacer
Other (consider alternatives)
Parenteral thrombolysis
Other parenteral drugs
Recording vital signs
Burns review
Recall/x-ray review
Fracture review
Wound cleaning
Dressing/wound review
Sling/collar cuff/broad arm sling
Epistaxis control
Nasal airway
Oral airway
Supplemental oxygen
Continuous positive airways pressure/nasal intermittent positive pressure ventilation/bag valve mask
Arterial line
Infusion fluids
Blood product transfusion
Pericardiocentesis
Lumbar puncture
Joint aspiration
Minor plastic procedure/splint skin graft
Active rewarming of the hypothermic patient
Cooling - control body temperature
Medication administered
Occupational therapy
Loan of walking aid (crutches)
Social worker intervention
Eye
Dental treatment
Prescription/medicines prepared to take away
None (consider guidance/advice option)

Data cleaning

Rule 595

HES field name	A&E Treatment: 3 character
Field	treat3 n D
Class	Clinical Treatments
Length and format	Various
Availability	2007-08 onwards
Description	

The A&E treatment description at 3-character level, covering the treatment and the sub-analysis.

Note that if no sub-analysis has been provided, or is not applicable, then the 2-character description will be displayed if available.

This field contains a description based on the treatment and sub-analysis (first 3 characters where applicable) and only displays a code where it is unclassifiable against the A&E Diagnosis classification.

Value

Dressing minor wound/burn/eye
 Dressing major wound/burn
 Bandage/support
 Primary sutures
 Secondary/complex suture
 Removal of sutures/clips
 Wound closure - steristrips
 Wound closure - wound glue
 Wound closure - other (eg clips)
 Plaster of Paris - application
 Plaster of Paris - removal
 Splint
 Prescription (retired 2006)
 Removal foreign body
 Physiotherapy - strapping, ultra sound treatment, short wave diathermy, manipulation
 Physiotherapy - gait re-education, falls prevention
 Manipulation of upper limb fracture
 Manipulation of lower limb fracture
 Manipulation of dislocation
 Incision and drainage
 Intravenous cannula
 Central line
 Lavage/emesis/charcoal/eye irrigation
 Intubation & Endotracheal tubes/laryngeal mask airways/rapid sequence induction
 Chest drain
 Urinary catheter/suprapubic
 Defibrillation
 External pacing
 Resuscitation/cardioipulmonary resuscitation
 Minor surgery
 Observation/electrocardiogram, pulse oximetry/head injury/trends
 Guidance/advice only - written
 Guidance/advice only - verbal
 Anaesthesia - general
 Anaesthesia - local
 Anaesthesia - regional block

Anaesthesia - etonox
Anaesthesia - sedation
Anaesthesia - other
Tetanus - immune
Tetanus - tetanus toxoid course
Tetanus - tetanus toxoid booster
Tetanus - human immunoglobulin
Tetanus - combined tetanus/diphtheria course
Tetanus - combined tetanus/diphtheria booster
Nebulise/spacer
Other (consider alternatives)
Parenteral thrombolysis - streptokinase parenteral thrombolysis
Parenteral thrombolysis - recombinant - plasminogen activator
Other parenteral drugs - intravenous drug eg stat/bolus
Other parenteral drugs - intravenous infusion
Recording vital signs
Burns review
Recall/x-ray review
Fracture review
Wound cleaning
Dressing/wound review
Sling/collar cuff/broad arm sling
Epistaxis control
Nasal airway
Oral airway
Supplemental oxygen
Continuous positive airways pressure/nasal intermittent positive pressure ventilation/bag valve mask
Arterial line
Infusion fluids
Blood product transfusion
Pericardiocentesis
Lumbar puncture
Joint aspiration
Minor plastic procedure/splint skin graft
Active rewarming of the hypothermic patient
Cooling - control body temperature
Medication administered - oral
Medication administered - intra-muscular
Medication administered - subcutaneous
Medication administered - per rectum
Medication administered - sublingual
Medication administered - intra-nasal
Medication administered - eye drops
Medication administered - ear drops
Medication administered - topical skin cream
Occupational therapy functional assessments
Occupational therapy activities of daily living equipment provision
Loan of walking aid (crutches)
Social worker intervention
Eye - orthoptic exercises
Eye - laser of retina/iris or posterior capsule
Eye - retrobulbar injection
Eye - epilation of lashes
Eye - subconjunctival injection
Dental treatment
Prescription/medicines prepared to take away
None (consider guidance/advice option)

Data cleaning

Rule 595

Residence

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Historic PCT of Residence (respct02)	41
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LA district of residence (resladst)	43
Ordnance Survey grid reference (gridlink)	44
Region of Residence (resro)	45
Westminster parliamentary constituency (pcon)	46

HES field name **Cancer network**

Field	cannet
Class	Geographical (Derived) data
Length and format	3an
Availability	From 2008-09 onwards

Description

The cancer registry that each postcode falls within. Further information on Cancer Registries can be found on the Department of Health website [\[http://www.dh.gov.uk/en/Healthcare/NationalServiceFrameworks/Cancer/DH_4068586\]](http://www.dh.gov.uk/en/Healthcare/NationalServiceFrameworks/Cancer/DH_4068586).

Value

N01-N98 = Cancer Registry in England/Wales/Isle of Man
 Z99 = Scotland/Northern Ireland/Channel Islands (pseudo)
 Null = No information available.

Data cleaning Not applicable (derived from postcode)

HES field name **Cancer registry**

Field	canreg
Class	Geographical (Derived) data
Length and format	5an
Availability	From 2008-09 onwards

Description

The cancer network that each postcode falls within. Further information on Cancer Network can be found on the Department of Health website [\[http://www.dh.gov.uk/en/Healthcare/NationalServiceFrameworks/Cancer/DH_4068463\]](http://www.dh.gov.uk/en/Healthcare/NationalServiceFrameworks/Cancer/DH_4068463).

Value

Y0201-Y1701 = Cancer Registry in England/Wales
 Z9999 = Scotland/NI/Channel Island/Isle of Man (pseudo)
 Null = No information available

Data cleaning Not applicable (derived from postcode)

HES field name **2001 Census Output Area**

Field	oacode
Class	Geographical (Derived) data
Length and format	10an
Availability	2007-08 onwards

Description

Census Output Areas (OAs) are small geographical areas that cover similar population sizes, according to the 2001 census, and are as socially homogenous as possible.

There are 165,665 Census Output Areas in England. The first six characters of this derived field represent the 2003 statistical ward.

The 2001 Census Output Area (oacode) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Value

10an = Census Output Area code

Data cleaning	Rule 1200
----------------------	-----------

HES field name **2001 Census Output Area (6 chars)**

Field	oacode6
Class	Geographical (Derived) data
Length and format	6an
Availability	2007-08 onwards

Description

A derived field showing the six-character ward identifier contained in the Census Output Area data. The structure is CCDDWW, where CC = county, DD = district or UA and WW=ward.

Value

6an = 6-character Census Output Area ward identifier code

Data cleaning	Rule 1200
----------------------	-----------

HES field name **County of residence**

Field	rescty
Class	Geographical (Derived) data
Length and format	2an
Availability	2007-08 onwards

Description

The county of residence field contains a code that defines the county of residence of the patient. It is derived from the patient's postcode in the field postcode (homeadd).

Value

- 00 = Not available (patient was resident within a Unitary Authority)
- S = Scotland
- U = England (NOS)
- W = Wales
- Y = Not known
- Z = Northern Ireland
- X = Foreign

Data cleaning	Rule 1200
----------------------	-----------

HES field name **Current electoral ward**

Field	currward
Class	Geographical (Derived) data
Length and format	2an
Availability	2007-08 onwards

Description

The current electoral ward derived field contains a code which defines the current electoral ward of the patient. It is derived from the patient's postcode in the field homeadd.

When this field is concatenated with the other local authority component, LA district of residence (resladst), the result is a unique value.

Value

2an = Electoral ward

Data cleaning	Rule 1200
----------------------	-----------

HES field name	Current PCT of residence
Field	respct06
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards
Description	
<p>This primary care trust (PCT) of residence contains the code for the PCT in which the patient is normally resident, based on the patient's postcode (homeadd).</p>	
Value	
<p>5** = PCT Taa = Care trust 6** = Wales S** = Scotland Y** = Manx and Channel Islands Z** = Northern Ireland 59898 = Other not applicable (non-England) 59999 = Unknown PCT</p>	
Data cleaning	Rule 1200

HES field name Current strategic HA of residence

Field	resstha06
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards

Description

The Strategic Health Authority (SHA) of residence field contains the code for the SHA in which the patient is normally resident, based on the patient's postcode (homeadd).

Value

Q** = SHA
 S = Scotland
 U = England (no fixed abode)
 W or Q99 = Wales
 X = Foreign
 Y = Unknown
 Z = Northern Ireland

Data cleaning	Rule 1200
----------------------	-----------

HES field name Electoral ward 1981/1991

Field	Ward91
Class	Geographical (Derived) data
Length and format	6an
Availability	2007-08 onwards

Description

The patient's electoral ward in 1991. This field contains the full frozen 1991 Census electoral ward of the patient. It is derived from the patient's postcode in the field homeadd.

Value

6an = Electoral ward

Data cleaning	Rule 1200
----------------------	-----------

HES field name Government Office region of residence

Field	resgor
Class	Geographical (Derived) data
Length and format	1a
Availability	2007-08 onwards

Description

The Government Office Region field contains a code that defines the Government Office Region of residence of the patient. It is derived from the patient's postcode in the field homeadd.

Value

A = North East
B = North West
D = Yorkshire and Humber
E = East Midlands
F = West Midlands
G = East of England
H = London
J = South East
K = South West
S = Scotland
U = No fixed above
W = Wales
X = Foreign (including Isle of Man and Channel Islands)
Y = Unknown
Z = Northern Ireland

Data cleaning Rule 1200

HES field name	Health authority of residence
Field	resha
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards
Description	
<p>The Health Authority (HA) of residence field contains the code for the HA in which the patient lived immediately before admission. It is derived from the patient's postcode in the field home address (homeadd).</p> <p>This may not be the area where treatment took place Health authority of treatment (hatreat). If home address (homeadd) is not recognised, health authority of residence (resha) may be derived from the Health Authority of residence notified by the hospital (har).</p>	
Value	
aaa = Health authority of residence	
S = Scotland	
U = England - not otherwise specified	
W = Wales	
X = Foreign (including Isle of Man and Channel Islands)	
Y = Unknown	
Z = Northern Ireland	
Data cleaning	Rule 1200

HES field name	Historic PCT of residence
Field	respct02
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards
Description	
<p>Primary care trust (PCT) of residence, based on 2002-03 PCT boundaries. This structure is no longer in active use and has been superseded. This derived field contains the code for the historic PCT in which the patient is normally resident, based on the patient's postcode (homeadd).</p>	
Value	
5** = PCT	
Taa = Care trust	
6** = Wales	
S** = Scotland	
Y** = Manx and Channel Islands	
Z** = Northern Ireland	
59898 = Other not applicable (non-England)	
59999 = Unknown PCT	
Data cleaning	Rule 1200

HES field name	Historic Strategic HA of residence
Field	resstha02
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards
Description	
Strategic Health Authority (SHA) of residence, based on 2002-03 SHA boundaries. This structure is no longer in active use and has been superseded. This derived field contains the code for the historic SHA in which the patient is normally resident, based on the patient's postcode (homeadd).	
Value	
Q** = SHA	
S = Scotland	
U = England (no fixed abode)	
W or Q99 = Wales	
X = Foreign	
Y = Unknown	
Z = Northern Ireland	
Data cleaning	Rule 1200

HES field name	LA district of residence
Field	resladst
Class	Geographical (Derived) data
Length and format	4an
Availability	2007-08 onwards
Description	
<p>The local authority district field contains a code for the county (first two characters) local authority district (last two characters) of residence of the patient. It is derived from the patient's postcode in the field homeadd.</p> <p>When this field is concatenated with the other local authority component, current electoral ward (currward), the result is a unique value.</p> <p>If the patient is resident within a Unitary Authority, the first two characters will be 00 (zero, zero) and the local authority component may not be useable.</p>	
Value	
nnnn = Local authority code	
S = Scotland	
U = England (NOS)	
W = Wales	
Y = Not known	
Z = Northern Ireland	
X = Foreign	
Data cleaning	Rule 1200

HES field name	Ordnance Survey grid reference
Field	gridlink
Class	Geographical (Derived) data
Length and format	9n
Availability	2007-08 onwards
Description	
<p>Ordnance survey postcode grid reference.</p> <p>Gridlink® is the name for a set of branded postcode products produced by the Gridlink Consortium (Royal Mail, Ordnance Survey (GB), General Register Office for Scotland (GROS), Ordnance Survey of Northern Ireland (OSNI) and ONS).</p> <p>The Ordnance Survey grid reference (gridlink) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).</p> <p>The Gridlink field in HES is only available to the NHS.</p>	
Value	
9n = Ordnance survey grid reference (4 digits eastings, 5 digits northings)	
Data cleaning	Rule 1200

HES field name	Region of residence
Field	Resro
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards
Description	
Regional Office (RO) of residence. It contains the code for the RO in which the patient lived immediately before admission. It is derived from the patient's postcode in the field homeadd.	
Value	
Y01 = Northern and Yorkshire	
Y02 = Trent	
Y07 = West Midlands	
Y08 = North West	
Y09 = Eastern	
Y10 = London	
Y11 = South East	
Y12 = South West	
W = Wales	
S = Scotland	
Z = Northern Ireland	
U = England NOS	
Y = Not known	
X = Foreign	
Data cleaning	Rule 1200

HES field name Westminster parliamentary constituency

Field pcon

Class Geographical (Derived) data

Length and format 3n

Availability From 2008-09 onwards

Description

The Westminster Parliamentary Constituency code for each postcode. Pseudo codes are included for Channel Islands and Isle of Man. The field will be blank for postcodes with no grid reference.

Value

001-529 = England

530-569 = Wales

801-859 = Scotland

701-718 = Northern Ireland

800 = Channel Islands (pseudo)

900 = Isle of Man (pseudo)

Data cleaning Not applicable (derived from postcode)

Socio-economic

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HES field name **IMD barriers to housing and services**

Field	imd04hs
Class	Geographical (Derived) data
Length and format	4n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) is a measure of multiple deprivations at Super Output Area level. The IMD has seven domains, one of which is the Barriers to Housing and Services Domain.

The purpose of the Barriers to Housing and Services domain is to measure barriers to housing and key local services.

Value

4n = IMD barriers to housing and services domain value

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **IMD Crime domain**

Field	imd04c
Class	Geographical (Derived) data
Length and format	3n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) is a measure of multiple deprivation at Super Output Area level. The IMD has seven domains, one of which is the Crime Domain.

The purpose of the Crime domain is to measure the incidence of recorded crime for four major crime themes:

1. burglary
2. theft
3. criminal damage
4. violence

Value

3n = IMD Crime domain value

Data cleaning	Data not cleaned
----------------------	------------------

HES field name	IMD Decile group
Field	imd04_decile
Class	Geographical (Derived) data
Length and format	5n
Availability	2007-08 onwards
Description	
<p>This field uses the IMD Overall Ranking to identify which one of ten groups a Super Output Area belongs to, from most deprived through to least deprived.</p>	
Value	
<p>Between 1 and 3248 = Most deprived 10%</p> <p>Between 3249 and 6496 = More deprived 10-20%</p> <p>Between 6497 and 9745 = More deprived 20-30%</p> <p>Between 9746 and 12993 = More deprived 30-40%</p> <p>Between 12994 and 16241 = More deprived 40-50%</p> <p>Between 16242 and 19489 = Less deprived 40-50%</p> <p>Between 19490 and 22737 = Less deprived 30-40%</p> <p>Between 22738 and 25986 = Less deprived 20-30%</p> <p>Between 25987 and 29234 = Less deprived 10-20%</p> <p>Between 29235 and 32482 = Least deprived 10%</p>	
Data cleaning	Data not cleaned

HES field name **IMD Education, skills and training**

Field	imd04ed
Class	Geographical (Derived) data
Length and format	4n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) is a measure of multiple deprivations at Super Output Area level. The IMD has seven domains, one of which is the Education, Skills and training Domain.

The purpose of the Education, Skills and training domain is to capture the extent of deprivation in terms of education, skills and training in a local area.

Value

4n = IMD Education, skills and training domain value

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **IMD Employment domain**

Field	imdem
Class	Geographical (Derived) data
Length and format	4n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) Employment domain

Value

4n = IMD employment domain value

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **IMD Health and disability domain**

Field	imd04hd
Class	Geographical (Derived) data
Length and format	3n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) is a measure of multiple deprivation at Super Output Area level. The IMD has seven domains, one of which is the Health Deprivation and Disability Domain.

The purpose of the Health deprivation and disability domain is to identify areas with relatively high rates of:

1. premature deaths
2. impaired quality of life, due to poor health
3. people with disabilities.

Value

3n = IMD Health and disability domain value

Data cleaning	Data not cleaned
---------------	------------------

HES field name **IMD Income affecting adults domain**

Field	imd04ia
Class	Geographical (Derived) data
Length and format	3n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) is a measure of multiple deprivations at Super Output Area level. The IMD has seven domains, one of which is the Income Deprivation Domain. The Income Deprivation Affecting Older People Index is a sub-set of the Income Deprivation Domain.

The Index contains the percentage of a Super Output Areas population aged 60 and over who are claiming Income Support or Job Seeker's Allowance.

Value

3n = IMD Income affecting adults index value

Data cleaning	Data not cleaned
---------------	------------------

HES field name **IMD Income affecting children domain**

Field	imd04ic
Class	Geographical (Derived) data
Length and format	3n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) is a measure of multiple deprivations at Super Output Area level. The IMD has seven domains, one of which is the Income Deprivation Domain. The Income Deprivation Affecting Children Index is a sub-set of the Income Deprivation Domain.

The Index contains the percentage of a Super Output Area's children under 16 who were living in families receiving specific financial support, such as Income Support or Job Seeker's Allowance.

Value

3n = IMD Income affecting children index value

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **IMD Income domain**

Field	imd04i
Class	Geographical (Derived) data
Length and format	3n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) is a measure of multiple deprivations at Super Output Area level. The IMD has seven domains, one of which is the Income Deprivation Domain.

The purpose of this Domain is to capture the proportions of the population experiencing income deprivation in an area.

Value

3n = IMD Income domain value

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **IMD Living Environment domain**

Field	imd04le
Class	Geographical (Derived) data
Length and format	4n
Availability	2007-08 onwards

Description

The Index of Multiple Deprivation (IMD) is a measure of multiple deprivations at Super Output Area level. The IMD has seven domains, one of which is the Living Environment domain.

The Living Environment domain focuses on deprivation with respect to the characteristics of the living environment.

Value

4n = IMD Living environment domain value

Data cleaning	Data not cleaned
----------------------	------------------

HES field name	IMD Overall rank
Field	imd04rk
Class	Geographical (Derived) data
Length and format	5n
Availability	2007-08 onwards
Description	
<p>The Index of Multiple Deprivation (IMD) overall ranking is made by combining the seven IMD Domain scores using the following weights:</p> <ul style="list-style-type: none"> - Income (22.5%) - Employment (22.5%) - Health Deprivation and Disability (13.5%) - Education, Skills and Training (13.5%) - Barriers to Housing and Services (9.3%) - Crime (9.3%) - Living Environment (9.3%) <p>The Super Output Area (SOA) with a rank of 1 is the most deprived, and 32482 the least deprived, on this overall measure.</p>	
Value	
5n = IMD Overall ranking	
Data cleaning	Data not cleaned

HES field name Lower Super Output Area

Field	Soal
Class	Geographical (Derived) data
Length and format	10an
Availability	2007-08 onwards

Description

Lower Super Output Areas are aggregations of Output Areas. There are 32,482 Lower Super Output Areas in England.

The first character is either E for England or W for Wales. The next two characters are 01 for Lower Super Output Area and the remaining six characters make up the unique 6-digit tag for each zone.

Value

annnnnnn = Lower Super Output Area

Z99999999 = Not known

Data cleaning Data not cleaned

HES field name Middle Super Output Area

Field	Soam
Class	Geographical (Derived) data
Length and format	an10
Availability	2007-08 onwards

Description

Middle Super Output Areas are aggregations of Output Areas.

The first character is either E for England or W for Wales. The next two characters are 02 for Middle Layer and the remaining six characters make up the unique 6-digit tag for each zone.

There are 6,780 Middle Super Output Areas in England.

Value

annnnnnn = Middle Super Output Area

Z99999999 = Not known

Data cleaning Data not cleaned

HES field name	Rural/Urban Indicator
Field	rururb ind
Class	Geographical (Derived) data
Length and format	1n
Availability	2007-08 onwards
Description	
Describes the nature of an Output Area in terms of its morphology (hamlet, town, urban, etc) and context (sparse or less sparse).	
Value	
<p>1 = Urban =>10K - sparse: Output Area falls within Urban settlements with a population of 10,000 or more and the wider surrounding area is sparsely populated</p> <p>2 = Town and Fringe - sparse. Output Area falls within the Small Town and Fringe areas category and the wider surrounding area is sparsely populated</p> <p>3 = Village - sparse. Output Area falls within the Village category and the wider surrounding area is sparsely populated</p> <p>4 = Hamlet and Isolated dwelling - sparse. Output Area falls within the Hamlet & Isolated Dwelling category and the wider surrounding area is sparsely populated</p> <p>5 = Urban =>10K - less sparse. Output Area falls within Urban settlements with a population of 10,000 or more and the wider surrounding area is less sparsely populated</p> <p>6 = Town and Fringe - less sparse. Output Area falls within the Small Town and Fringe areas category and the wider surrounding area is less sparsely populated</p> <p>7 = Village - less sparse. Output Area falls within the Village category and the wider surrounding area is less sparsely populated</p> <p>8 = Hamlet and Isolated Dwelling - less sparse. Output Area falls within the Hamlet & Isolated Dwelling category and the wider surrounding area is less sparsely populated</p> <p>9 = postcode in Scotland/NI/Channel Islands/Isle of Man/pseudopostcodes</p> <p>Space = No information available</p>	
Data cleaning	Data not cleaned

Treatment

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HES field name **Govt Office region of treatment**

Field	gortreat
Class	Geographical (Derived) data
Length and format	1an
Availability	2007-08 onwards

Description

Government Office Region (GOR) of treatment. This field is derived from the hospital provider code (procode). It indicates the GOR area within which the treatment took place.

Value

- A = North East
- B = North West
- D = Yorkshire and The Humber
- E = East Midlands
- F = West Midlands
- G = East of England
- H = London
- J = South East
- K = South West
- Y = Not known

Data cleaning	Rule 1145
----------------------	-----------

HES field name **Health authority of treatment**

Field	hatreat
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards

Description

Health Authority of treatment. This field is derived from the hospital provider code (procode). It indicates the Health Authority (HA) where the treatment took place.

Value

aaa = Health authority of treatment

Y = Unknown

Data cleaning	Rule 1145
----------------------	-----------

HES field name **PCT of treatment**

Field	pcttreat
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards

Description

Primary Care Trust (PCT) of treatment. For years to 2002-03, this was based on 2002-03 PCT boundaries.

It is derived from the main site postcode of the hospital provider code (procode), indicating the PCT area within which the organisation providing treatment was located.

Note:

(1) the PCT itself may be the provider of the treatment

(2) care provided at subsidiary sites will be attributed to the main trust location.

Value

5nn = PCT

taa = Care trust

59898 = Not applicable (non-England)

59999 = Unknown

Data cleaning	Rule 1145
----------------------	-----------

HES field name	Region of treatment
Field	retreat
Class	Geographical (Derived) data
Length and format	3an
Availability	2007-08 onwards
Description	
Region of treatment. This derived field is extracted from the hospital provider code (procode). It defines the Regional Office (RO) where the treatment took place.	
Value	
Y01 = Northern and Yorkshire	
Y02 = Trent	
Y07 = West Midlands	
Y08 = North West	
Y09 = Eastern	
Y10 = London	
Y11 = South East	
Y12 = South West	
Y = Not Known	
Data cleaning	Rule 1145

HES field name	Strategic HA of treatment
Field	sthatret
Class	Geographical (Derived) data
Length and format	3an (format Qnn)
Availability	2007-08 onwards
Description	
<p>Strategic Health Authority (SHA) of treatment. It is derived from the main site postcode of the hospital provider code (procode). It indicates the SHA area within which the organisation providing treatment was located.</p> <p>Note: (1) care provided at subsidiary sites will be attributed to the main trust location.</p>	
Value	
Qnn = SHA Y = Unknown	
Data cleaning	Rule 1145

HRG Data

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HES field name **Dominant procedure**

Field	domproc
Class	HRG data
Length and format	4an
Availability	2007-08 onwards

Description

The procedure that the Healthcare Resource Group grouping algorithm has identified as having the greatest effect upon the resources consumed by a patient.

Value

- annn = Procedure code
- = No operation performed
- & = Not known

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **Trust derived HRG value**

Field	hrgnhs
Class	HRG data
Length and format	3an
Availability	2007-08 onwards

Description

The Trust generated HRG code

Value

- 3an = Trust derived HRG value

Data cleaning	Data not cleaned
----------------------	------------------

HES field name	Version No. of trust derived HRG
Field	hrgnhsvn
Class	HRG data
Length and format	3an
Availability	2007-08 onwards
Description	
The version number for Trust generated HRG code	
Value	
3an = The version number of the trust derived HRG code	
Data cleaning	Data not cleaned

Organisation Data

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HES field name **3-digit provider code**

Field	procode3
Class	Organisation data
Length and format	3an
Availability	2007-08 onwards

Description

A provider code is a unique code that identifies an organisation acting as a health care provider. Procode3 contains only the first three characters (the organisation code) and can be used to identify an individual provider (eg NHS Trust or PCT).

Value

3an = 3-character provider code

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **5-digit provider code**

Field	procode
Class	Organisation data
Length and format	5an
Availability	2007-08 onwards

Description

A provider code is a unique code that identifies an organisation acting as a health care provider. Procode contains the complete NHS provider code (ie organisation code plus site code).

Value

5an = 5-character provider code

89997 = UK provider where no organisation code has been issued

89999 = Non-NHS UK provider where no organisation code has been issued

Data cleaning	Data not cleaned
----------------------	------------------

HES field name	Current PCT of responsibility
Field	pctcode06
Class	Organisation data
Length and format	3an
Availability	2007-08 onwards
Description	
<p>A derived field providing the primary care trust (PCT) responsible for the patient based on the current PCT structure.</p> <p>The pctcode is derived from the GP practice with which the patient is registered (gpprac) if this is known or reggmp, purcode or the postcode of the patient otherwise.</p>	
Value	
<p>5nn = PCT</p> <p>taa = Care trust</p> <p>59898 = Not applicable (non-England)</p> <p>59999 = Unknown</p>	
Data cleaning	Rule 1160

HES field name **Historic PCT of responsibility**

Field	pctcode02
Class	Organisation data
Length and format	3an
Availability	2007-08 onwards

Description

A derived field providing the primary care trust (PCT) responsible for the patient based on the PCT structure that existed before 2006-07.

The pctcode is derived from the GP practice with which the patient is registered (gpprac) if this is known or registered GP (reggmp), or the postcode of the patient otherwise. It is populated based on the structure that existed prior to the 1st of October 2006-07.

Value

5nn = PCT
Taa = Care trust
59898 = Not applicable (non-England)
59999 = Unknown

Data cleaning Rule 1160

HES field name **PCT of GP practice**

Field	gpprpt
Class	Organisation data
Length and format	3an
Availability	2007-08 onwards

Description

The primary care trust (PCT) area in which the patient's GP is registered.

Value

5nn = PCT
Taa = Care trust
59898 = Not applicable (non-England)
59999 = Unknown

Data cleaning Rule 1125

HES field name	Provider code
Field	procodet
Class	Organisation data
Length and format	5an
Availability	2007-08 onwards

Description

A provider code is a unique code that identifies an organisation acting as a health care provider.

Provider Code (procodet) gives a combination of 3-character and 5-character provider codes, enabling you to view a combined list of codes and related data, from PCTs (3 char beginning with 5), NHS trusts (3 char beginning with R), NHS trust treatment centres (5 char), Independent providers (5 char beginning with 8), and Independent sector healthcare providers (5 char beginning with N).

Value

5an = Provider code

Data cleaning	Data not cleaned
---------------	------------------

HES field name	Provider type
Field	protype
Class	Organisation data
Length and format	Various
Availability	2007-08 onwards

Description

Healthcare provider type.

Value

CARETRUST = Care trust

FOUNDATION = NHS Foundation Trust

OTHERPROV = Other provider

PCT = Primary Care trust

TRUST = NHS trust

Data cleaning	Data not cleaned
---------------	------------------

HES field name **Strategic HA of GP practice**

Field	gprstha
Class	Organisation data
Length and format	3an (format Qnn)
Availability	2007-08 onwards

Description

The strategic health authority (SHA) area in which the patient's GP is registered.

Value

- Qnn = SHA
- Y = Unknown

Data cleaning	Rule 1125
----------------------	-----------

Patient Data

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HES field name **Age at activity date**

Field	activage
Class	Patient data
Length and format	3n
Availability	2007-08 onwards

Description

Age, in years, at CDS activity date.

Value

3n = age at activity date

999 = Not known, ie date of birth not known and age cannot be estimated

Data cleaning	Data not cleaned
----------------------	------------------

HES field name	Age on arrival
Field	arrivalage
Class	Patient data
Length and format	4n
Availability	2007-08 onwards
Description	
<p>This field contains the age in whole years on arrival, calculated from arrival date and dob. For patients under 1 year old, special codes apply.</p>	
Value	
<p>nnn = Age in years from 1 - 119 120 = 120 years or more 7001 = Less than 1 day 7002 = 1- 6 days 7003 = 7- 27 days 7004 = 28 - 3 months 7005 = 91 - 181 days (approximately 3 months to under 6 months) 7006 = 182 - 272 days (approximately 6 months to under 9 months) 7007 = 273 - 364 days (approximately 9 months to under 1 year) null = Not applicable/Not known</p>	
Data cleaning	Rule 290

HES field name **Carer support indicator**

Field	carersi
Class	Patient data
Length and format	2n
Availability	2007-08 onwards

Description

This field contains a code which states whether carer support is available to the patient at home or other normal residence. This does not include any paid support or support from a voluntary organisation unless the patient is normally resident in a nursing home, group home or residential care home.

Value

- 01 = Yes
- 02 = No
- 99 = Not known

Data cleaning	Rule 400
---------------	----------

HES field name **Date of birth**

Field	Dob
Class	Patient data
Length and format	Ddmmyyyy
Availability	2007-08 onwards

Description

This field contains the patient's date of birth. For most enquiries the field arrivalage (age on arrival) is used. The Date of birth (dob) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Value

ddmmyyyy = Patient's date of birth

Data cleaning	Rule 20
---------------	---------

HES field name	Ethnic category
Field	ethnos
Class	Patient data
Length and format	2an
Availability	2007-08 onwards
Description	
This field contains a code which specifies some ethnic groups and some nationalities.	
Value	
An = British (White)	
Bn = Irish (White)	
Cn = Any other White background	
Dn = White and Black Caribbean (Mixed)	
En = White and Black African (Mixed)	
Fn = White and Asian (Mixed)	
Gn = Any other Mixed background	
Hn = Indian (Asian or Asian British)	
Jn = Pakistani (Asian or Asian British)	
Kn = Bangladeshi (Asian or Asian British)	
Ln = Any other Asian background	
Mn = Caribbean (Black or Black British)	
Nn = African (Black or Black British)	
Pn = Any other Black background	
Rn = Chinese (other ethnic group)	
Sn = Any other ethnic group	
Zn = Not stated	
X = Not known	
Data cleaning	Rule 10

HES field name **Local patient identifier**

Field	Lopatid
Class	Patient data
Length and format	10an
Availability	2007-08 onwards

Description

This field contains the number used to identify a patient within a health care provider. It may be different from the patient's case note number, and may be assigned automatically by the computer system.

The number in this field is the Person Identifier of the PAS number. The Local patient identifier (lopatid) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Value

10an = Local patient identifier code

Data cleaning	Data not cleaned
---------------	------------------

HES field name **NHS Number**

Field	newnhsno
Class	Patient data
Length and format	10n
Availability	2007-08 onwards

Description

This field contains the NHS number of the patient, which is the primary identifier of a person registered for health care it is unique.

The NHS Number (newnhsno) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Value

10n = Patient's NHS Number

Data cleaning	Data not cleaned
---------------	------------------

HES field name **NHS Number valid flag**

Field	nhsnoind
Class	Patient data
Length and format	1a
Availability	2007-08 onwards

Description

This field indicates whether the NHS Number supplied is valid or not.

Value

Y = Yes

N = No

Data cleaning	Data not cleaned
---------------	------------------

HES field name **Postcode**

Field	Homeadd
Class	Patient data
Length and format	8an
Availability	2007-08 onwards

Description

This field contains the postcode with the second part of the code starting at the sixth character position. If the code contains fewer than eight characters, spaces are placed between the two parts of the code.

The Postcode (homeadd) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Normally the home postcode is used, but if a patient is away from home for long periods, such as in a university hall of residence, that postcode is used. If a person is resident in hospital, the hospital's postcode is used.

Value

aann naa = Postcode

ZZ99 3VZ = No fixed abode

Data cleaning	Rule 330
---------------	----------

HES field name	Postcode district
Field	postdist
Class	Patient data
Length and format	4an
Availability	2007-08 onwards
Description	
<p>Contains the outward portion of the patient's postcode (ie all characters to the left of the space). The code ZZ99 indicates the postcode was either unavailable, or that the patient did not have one (eg because they were normally resident abroad).</p>	
Value	
<p>aann = Postcode district ZZ99 = Unavailable / not applicable</p>	
Data cleaning	Data not cleaned

HES field name	Pseudo HES ID
Field	pseudohesid
Class	Patient data
Length and format	10n
Availability	2007-08 onwards
Description	
<p>This field contains a unique identifier for each individual patient. This allows an individual's care to be tracked across years and continuous periods to be identified.</p> <p>This is a pseudonymised version of the HES ID field based on an updated matching algorithm, which supersedes and is compatible with the original HES ID, which is no longer available.</p>	
Value	
<p>10n = Pseudonymised HESID</p>	
Data cleaning	Data not cleaned

HES field name	Sex of patient
-----------------------	-----------------------

Field	Sex
-------	-----

Class	Patient data
-------	--------------

Length and format	1n
-------------------	----

Availability	2007-08 onwards
--------------	-----------------

Description

This field contains a code which defines the sex of the patient.

Value

1 = Male

2 = Female

9 = Not specified

0 = Not known

Data cleaning	Rule 50, 60
---------------	-------------

Patient Pathway

Org code of patient path ID issuer (orgpppid)	81
Patient Pathway ID (patpathid)	81
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HES field name **Organisation code of patient pathway ID issuer**

Field	orgpppid
Class	Patient Pathway
Length and format	5an
Availability	2007-08 onwards

Description

The organisation code of Patient Pathway ID issuer.

Value

5an = organisation code

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **Patient pathway ID**

Field	Patpathid
Class	Patient Pathway
Length and format	20an
Availability	2007-08 onwards

Description

A code that, when combined with the organisation code of either the issuer or the organisation receiving the service request, identifies a patient's pathway. For example, the Unique Booking Reference Number of the first referral and X09 (the organisation code for NHS Connecting for Health).

The Patient Pathway ID (patpathid) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Value

20an = Patient pathway ID code

Data cleaning	Data not cleaned
----------------------	------------------

HES field name	RTT period start
Field	rttperstart
Class	Patient Pathway
Length and format	ddmmyyyy
Availability	2007-08 onwards
Description	
The start date of the referral to treatment period.	
Value	
ddmmyyyy = The start date of the referral to treatment period	
Data cleaning	Data not cleaned

HES field name	RTT period status
Field	rttperstat
Class	Patient Pathway
Length and format	2n
Availability	2007-08 onwards
Description	
The status of an activity, or anticipated activity, for the 18-week referral to treatment period.	
Value	
10 = First activity	
11 = End of active monitoring	
12 = Consultant referral	
20 = subsequent activity, further activities anticipated	
21 = Transfer to another healthcare provider	
30 = First treatment - the start of the first treatment that's intended to manage a patient's disease, condition or injury	
31 = Start of active monitoring, initiated by the patient	
32 = Start of active monitoring, initiated by the care professional	
33 = Failure to attend the first care activity after referral	
34 = Decision not to treat or not further contact required	
35 = Patient decline offered treatment	
36 = Patient died before treatment	
90 = After treatment - first treatment occurred previously, e.g. admitted as an emergency from A&E	
91 = Active monitoring (the patient is observed but not treated)	
92 = Not yet referred	
98 = Not applicable	
99 = Not yet known	
Data cleaning	Data not cleaned

HES field name **RTTP period end**

Field	rttperend
Class	Patient Pathway
Length and format	ddmmyyyy
Availability	2007-08 onwards

Description

The end date of the referral to treatment period.

Value

ddmmyyyy = End date of the referral to treatment period

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **Unique booking reference number**

Field	bookrefno
Class	Patient Pathway
Length and format	12n
Availability	2007-08 onwards

Description

The booking reference number assigned by the Connecting for Health Choose and Book System when a patient accepts an appointment date, regardless of whether they subsequently attend or cancel the appointment. Each booking reference number is unique.

The Unique Booking Ref No (bookrefno) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Value

12n = Unique booking reference number

Data cleaning	Data not cleaned
----------------------	------------------

HES field name

Waitdays

Field

waitdays

Class

Patient Pathway

Length and format

4n

Availability

2007-08 onwards

Description

The number of days that a patient waited from the date when a decision was taken for treatment to when they received the treatment.

Value

n4 = duration of elective wait

9998 = Not applicable

9999 = Not known

Data cleaning

Data not cleaned

Practitioner Data

GP practice code (gpprac)	87
Pseudonymised practice code (pgpprac)	87
Pseudonymised registered GP code (preggmp)	88
Registered GP (reggmp)	88

HES field name **GP practice code**

Field	gpprac
Class	Practitioner data
Length and format	6an
Availability	2007-08 onwards

Description

This field contains a code which defines the practice that the patient is registered with.

Value

- Vnnnnn = GP's practice code
- V81997 = No Registered General Practitioner Practice
- V81998 = General Practitioner Practice Code not applicable
- V81999 = General Practitioner Practice Code not known
- & = Unknown

Data cleaning	Rule 440
----------------------	----------

HES field name **Pseudonymised practice code**

Field	pgpprac
Class	Practitioner data
Length and format	16an
Availability	2007-08 onwards

Description

A pseudonymised version of the code of a patient's registered GP practice.

Value

- 16an = pseudonymised code
- & = Unknown

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **Pseudonymised registered GP code**

Field	preggmp
Class	Practitioner data
Length and format	16an
Availability	2007-08 onwards

Description

A pseudonymised version of the code of the general medical practitioner specified by the patient

Value

16an = Pseudonymised GP code

& = Unknown

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **Registered GP**

Field	reggmp
Class	Practitioner data
Length and format	8an
Availability	2007-08 onwards

Description

This field contains the GMP code specified by the patient, which identifies the GP as an individual.

The Registered GP (reggmp) field contains sensitive data. Access to it requires the approval of Database Monitoring Sub-Group (DMSG).

Value

8an = GP code

G9999998 = GP PPD code not known

R9999981 = Referrer other than General Medical Practitioner, General Dental Practitioner or Consultant Other GP Codes

A9999998 = Ministry of Defence Doctor

& = Unknown

Data cleaning	Rule 430
----------------------	----------

System Data

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SUS Record ID (susrecid)	94

HES field name **CDS extract date**

Field	cdsextdate
Class	System data
Length and format	Ccyyymmdd
Availability	2007-08 onwards

Description

CDS extract date.

Value

ccyyymmdd = CDS extract date

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **CDS protocol ID**

Field	cdsverprotid
Class	System data
Length and format	3an
Availability	2007-08 onwards

Description

A code to identify the CDS Exchange Protocol and Update Mechanism associated with the transaction.

Value

3an = CDS protocol ID

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **CDS unique ID**

Field	cdsuniqueid
Class	System data
Length and format	35an
Availability	2007-08 onwards

Description

A CDS data element providing a unique identity for the life-time of an episode carried in a CDS message.

Value

35an = CDS unique ID

Data cleaning	Data not cleaned
---------------	------------------

HES field name **Net applicable date**

Field	appdate
Class	System data
Length and format	ddmmyyyy
Availability	2007-08 onwards

Description

This field contains the CDS applicable date for the net change protocol.

Value

ddmmyyyy = Net applicable date

Data cleaning	Data not cleaned
---------------	------------------

HES field name **NHS number status indicator**

Field	numstat
Class	System data
Length and format	2n
Availability	2007-08 onwards

Description

Codes in this field indicate whether the patients' NHS number is present, and if it is verified. If the NHS number is absent, the indicator gives the reason why.

Value

- 01 = Number present and verified
- 02 = Number present but not traced
- 03 = Trace needed
- 04 = Trace attempted - No match, or multiple matches, found
- 05 = Trace needs to be resolved - (New NHS number or patient detail conflict)
- 06 = Trace in progress
- 07 = Number not present and trace not required
- 08 = Trace postponed (baby under six weeks old)

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **Record identifier**

Field	aekey
Class	System data
Length and format	8n
Availability	2007-08 onwards

Description

This is a record identifier that is created by the system. The eight digits store a decimal number.

Value

8n = Record identifier number

Data cleaning	Data not cleaned
----------------------	------------------

HES field name **Reporting period end date**

Field	perend
Class	System data
Length and format	ddmmyyyy
Availability	2007-08 onwards

Description

The date that a reporting period ends.

Value

ddmmyyyy = The date the reporting period ended

Data cleaning	Data not cleaned
---------------	------------------

HES field name **Submission date**

Field	subdate
Class	System data
Length and format	ddmmyyyy
Availability	2007-08 onwards

Description

Date on which the data used to generate the HES record was received by the Secondary Uses Service.

Value

ddmmyyyy = The date on which data was received

Data cleaning	Data not cleaned
---------------	------------------

HES field name **SUS loaded staging date**

Field	suslddate
Class	System data
Length and format	ccyymmddhhmm
Availability	2007-08 onwards

Description

The date that the data was loaded into the SUS staging system.

Value

ccyymmddhhmm = the date that data was loaded into the SUS staging system

Data cleaning	Data not cleaned
---------------	------------------

HES field name **SUS record ID**

Field	susrecid
Class	System data
Length and format	14n
Availability	2007-08 onwards

Description

SUS (Secondary Uses Service) -generated record identifier.

Value

14n = SUS-generated record identifier

Data cleaning	Data not cleaned
---------------	------------------

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