HESonline™
HOSPITAL EPISODE STATISTICS

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for health and social care

Data Dictionary:
Inpatients

Inpatient Data Dictionary

Welcome to the HES Inpatient 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].

About the Inpatient Data Dictionary

The Hospital Episode Statistics (HES) database is made up of many data items relating to admitted patient care delivered by NHS hospitals 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 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. These derivations assist in the production of aggregate summaries (tabulations), and also help ensure patient confidentiality.

HES contains data from 1 April 1989. Over the years, there have been several changes in the specification and meaning of various data items. From April 2003, this data was available in a normalised form that makes interpretation easier. This has been achieved by modifying the values of certain items for previous years so that, where possible, they conform to contemporary standards. This issue of the Data Dictionary reflects the situation after normalisation.

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Admissions

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HES field name	**Admission date check flag**
Field	adm_cfl
Class	Admissions
Length and format	1n
Availability	All years

Description

Codes in this field indicate whether the patient's admission date is valid.

Value

0 = Valid (or missing because not required)

1 = Missing

2 = Invalid

Data cleaning	Not applicable (derived by rule 35)

HES field name	**Date of admission**
Field	admidate
Class	Admissions
Length and format	dd/mm/yyyy (Date)
Availability	All years

Description

This field contains the date the patient was admitted to hospital at the start of a hospital spell. Admidate is recorded on all episodes within a spell.

Value

dd/mm/yyyy = Date

null = Date not known / not applicable

Data cleaning	Rule 35

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HES field name	**Date of decision to admit**
Field	elecdate
Class	Admissions
Length and format	dd/mm/yyyy (Date)
Availability	All years

Description

This field contains the date on which a consultant, or another member of the clinical staff, decided to admit the patient to a hospital.

The patient may or may not be admitted immediately. The time between elecdate and admidate (admission date) is known as the waiting time.

Value

dd/mm/yyyy = Date

null = Date not known / not applicable

Data cleaning	Rules 40 and 45

HES field name	**Date of decision to admit check flag**
Field	elec_cfl
Class	Admissions
Length and format	1n
Availability	All years

Description

Codes in this field indicate whether the decision to admit date is valid.

Value

0 = Valid (or missing because not required)

1 = Missing

2 = Invalid

Data cleaning	Not applicable: derived by Rules 40 and 45

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HES field name	First regular day or night admission
Field	firstreg
Class	Admissions
Length and format	1n
Availability	From 2002-03

Description

This field indicates whether the episode falls within a sequence of regular day and night admissions and, if so, whether it is the first or subsequent episode within the sequence.

Value

0 = First in a series

1 = Subsequent to first in a series

8 = Not applicable: this episode of care is neither the first nor any subsequent attendance within a sequence of regular day/night admissions

9 = Not known: this episode is an attendance within a sequence of regular day/night admissions, but the status of this episode within the attendance is not known: a validation error

Data cleaning	None

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HES field name	**Method of admission**
Field	admimeth
Class	Admissions
Length and format	2n
Availability	All years

Description

This field contains a code which identifies how the patient was admitted to hospital. Admimeth is recorded on the first and also all subsequent episodes within the spell (ie where the spell is made up of more than one episode).

Value

11 = Elective: from waiting list

12 = Elective: booked

13 = Elective: planned

21 = Emergency: via Accident and Emergency (A&E) services, including the casualty department of the provider

22 = Emergency: via general practitioner (GP)

23 = Emergency: via Bed Bureau, including the Central Bureau

24 = Emergency: via consultant outpatient clinic

28 = Emergency: other means, including patients who arrive via the A&E department of another healthcare provider

31 = Maternity: where the baby was delivered after the mother's admission

32 = Maternity: where the baby was delivered before the mother's admission

81 = Transfer of any admitted patient from another hospital provider other than in an emergency; this does not include admissions to high security psychiatric hospitals (HSPH)

82 = Other: babies born in health care provider

83 = Other: babies born outside the health care provider, except when born at home as intended

84 = Admission by the admission panel of an HSPH; patient not entered on the HSPH admissions waiting list (not valid for admissions after 31 March 2002)

89 = From the admissions waiting list of an HSPH (not valid for admissions after 31 March 2002)

98 = Not applicable (eg other maternity event)

99 = Not known

Data cleaning	Rules 65, 70 and 320

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HES field name	**Source of admission**
Field	admisorc
Class	Admissions
Length and format	2n
Availability	All years

Description

This field contains a code which identifies where the patient was immediately prior to admission.

Most patients are admitted from home, but there are some significant exceptions. In particular, this field differentiates between patients admitted from home and patients transferred from another hospital provider or institution.

Value

19 = The usual place of residence, including no fixed abode
29 = Temporary place of residence when usually resident elsewhere, for example, hotels and residential educational establishments
30 = Repatriation from high security psychiatric hospital (1999-00 to 2006-07)
37 = Penal establishment: court (1999-00 to 2006-07)
38 = Penal establishment: police station (1999-00 to 2006-07)
39 = Penal establishment (court and police station excluded from 1999-2000)
48 = High security psychiatric hospital, Scotland (1999-00 to 2006-07)
49 = NHS other hospital provider: high security psychiatric accommodation in an NHS hospital provider (NHS trust)
50 = NHS other hospital provider: medium secure unit (1999-00 to 2006-07)
51 = NHS other hospital provider: ward for general patients or the younger physically disabled or A&E department
52 = NHS other hospital provider: ward for maternity patients or neonates
53 = NHS other hospital provider: ward for patients who are mentally ill or have learning disabilities
54 = NHS run nursing home, residential care home or group home
65 = Local authority Part 3 residential accommodation: where care is provided (from 1996-97)
66 = Local authority foster care, but not in Part 3 residential accommodation: where care is provided (from 1996-97)
69 = Local authority home or care (1989-90 to 1995-96)
79 = Babies born in or on the way to hospital
85 = Non-NHS (other than Local Authority) run residential care home (from 1996-97)
86 = Non-NHS (other than Local Authority) run nursing home (from 1996-97 to 2006-07)
87 = Non-NHS run hospital
88 = non-NHS (other than Local Authority) run hospice
89 = Non-NHS institution (1989-90 to 1995-96)
98 = Not applicable
99 = Not known

Data cleaning	Rule 80

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HES field name	**Waiting time**
Field	elecdur
Class	Admissions
Length and format	4n
Availability	

Description
This derived field contains the difference in days between the date on which it was decided to admit the patient (elecdate) and the actual admission date (admidate). Elecdur is only applicable where an elective admission (ie the admission method is 11, 12 or 13) was scheduled and took place.

Value
4n = Waiting time in days from 1 to 8887 null = Other maternity events / not known

Data cleaning	Not applicable (derived by rule 270)

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Augmented/critical care period

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HES field name	**ACP sequence number**
Field	acpseq
Class	Augmented/critical care period
Length and format	1n
Availability	From 1 October 1997 to 31 March 2006
Description	
Augmented care period sequence number.	
Value	
n = ACP sequence number	
Data cleaning	None

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HES field name	**Augmented care location**
Field	acploc
Class	Augmented/critical care period
Length and format	2n
Availability	From 1 October 1997 to 31 March 2006

Description

This field gives the location of a patient during a period of augmented care.

Value

01 = General intensive care unit (ICU). Adult intensive care, including wards labelled as surgical or medical ICU, but excluding the specialised units identified by other values. General ICUs may provide a mixture of high dependency unit (HDU) and ICU level care.

02 = Cardiothoracic ICU, including units labelled as separate cardiac or thoracic units.

03 = Liver ICU

04 = Neurological ICU

05 = HDU

06 = Paediatric ICU: a unit generally admitting patients between 0 and 14 years old, but excluding special care baby units

07 = Paediatric HDU

08 = Neonatal ICU: a unit generally admitting only new born babies up to two-week's post delivery

09 = Cardiac care unit or coronary care unit (CCU)

10 = Combined HDU and CCU
the beds and staff for the two units are in the same area

11 = Combined CCU and ICU
the beds and staff for the two units are in the same area

12 = Combined HDU and ICU
the beds and staff for the two units are in the same area

13 = Post operative recovery unit, including a theatre recovery area

14 = Spinal injury ICU: a unit designated for critical care rather than a spinal injury ward

15 = Burns critical care unit, including all special care burns facilities other than short-term post-operative care areas

16 = Renal unit, including an in-patient kidney dialysis unit, but excluding general nephrology or urology wards

17 = Not otherwise specified

99 = Not known

Data cleaning	Rules 950 and 960

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HES field name	**Augmented care period disposal**
Field	acpdisp
Class	Augmented/critical care period
Length and format	2n
Availability	From 1 October 1997 to 31 March 2006

Description

This field gives the destination of a discharged patient after a period of augmented care. Compare this field with disdest (destination on discharge from a hospital episode).

Value

01 = Ward in same hospital

02 = High dependency unit (HDU) in same hospital, including special care baby units

03 = Intensive care unit (ICU) in same hospital

04 = ICU in other hospital

05 = Other hospital (not ICU) including HDUs and Special Care Baby Units

06 = Normal residence or other

07 = Died

08 = No change in location: the augmented care period ended because the consultant episode ended

98 = Not applicable: augmented care period not finished

99 = Not known

Data cleaning	Rules 920 and 930

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HES field name	**Augmented care period end date**
Field	acpend
Class	Augmented/critical care period
Length and format	dd/mm/yyyy (Date)
Availability	From 1 October 1997 to 31 March 2006

Description

This field gives the end date of a period of augmented care (a null entry indicates that this data is not applicable).

Value

dd/mm/yyyy = Date augmented care period ended

Data cleaning	Rule 940

HES field name	**Augmented care period local ID**
Field	acplcid
Class	Augmented/critical care period
Length and format	8an
Availability	From 2002-03 to 31 March 2006

Description

There are no nationally agreed values for this item. This field contains sensitive data. Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

Not available

Data cleaning	None

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HES field name	**Augmented care period number**
Field	acpn
Class	Augmented/critical care period
Length and format	2n
Availability	From 1 October 1997 to 31 March 2006

Description

This field contains a number representing the order of an episode within a sequence of episodes that make up a period of augmented care.

Value

2n = Order number in the range 01 to 97

99 = Not known: a validation error

Data cleaning	Rule 970

HES field name	**Augmented care period outcome indicator**
Field	acpout
Class	Augmented/critical care period
Length and format	2n
Availability	From 1 October 1997 to 31 March 2006

Description

This field identifies whether a patient survived. For deaths it indicates whether organs were donated.

Organs are defined as whole organs such as heart, lung, liver, kidney and pancreas. The value 03 does not include parts of organs such as corneas, heart valves, etc.

Value

01 = Survived

02 = Died: no organ donation

03 = Died: organs donated

98 = Not applicable: Augmented care period not finished

99 = Not known

Data cleaning	Rule 980 and Rule 990

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HES field name	**Augmented care period planned indicator**
Field	acpplan
Class	Augmented/critical care period
Length and format	1n
Availability	From 1 October 1997 to 31 March 2006

Description

This field indicates whether any part of the ACP was planned in advance of admission to the ACP location.

Value

1 = Yes

2 = No

9 = Not known

Data cleaning	Rule 1000

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HES field name	**Augmented care period source**
Field	acpsour
Class	Augmented/critical care period
Length and format	2n
Availability	From 1 October 1997 to 31 March 2006

Description

This field defines where the patient was immediately before the period of augmented care. Compare this field with admisorc (source of patient for a hospital episode).

Value

01 = Ward in same hospital

02 = High dependency unit (HDU) or other immediate care area in same hospital, including special care babies

03 = Intensive care unit (ICU) in same hospital

04 = Theatre or recovery unit in same hospital

05 = A&E department in same hospital

06 = X-ray or endoscopy department in same hospital

07 = ICU in other hospital

08 = Other hospital (not ICU) including HDUs and special care baby units

09 = Clinic, home or other

10 = No change in location: augmented care period started because consultant episode changed

99 = Not known

Data cleaning	Rule 900 and Rule 910

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HES field name	**Augmented care period speciality function code**
Field	acpspef
Class	Augmented/critical care period
Length and format	3n
Availability	From 1 October 1997 to 31 March 2006

Description

This field contains the code for the main specialty of the consultant clinically managing the period of augmented care.

This consultant is not necessarily the same as the one responsible for the hospital episode.

Where a patient is cared for by a team of specialists within an Intensive Care rota, this field contains the specialty of the team's clinical director.

Where there are several specialties involved but none is considered responsible, this field contains the specialty of the consultant admitting the patient to the period of augmented care.

If no specific consultant or team can be identified as organising the care associated with the ACP, then this should be the same as for the related consultant episode.

Value

100 = General surgery
101 = Urology
110 = Trauma and orthopaedics
120 = Ear, nose and throat (ENT)
130 = Ophthalmology
140 = Oral surgery
141 = Restorative dentistry
142 = Paediatric dentistry (available from 1999-2000)
143 = Orthodontics
145 = Oral and maxillo facial surgery (available from 2004-05)
146 = Endodontics (available from 2004-05)
147 = Periodontics (available from 2004-05)
148 = Prosthodontics (available from 2004-05)
149 = Surgical dentistry (available from 2004-05)
150 = Neurosurgery
160 = Plastic surgery
170 = Cardiothoracic surgery
171 = Paediatric surgery
180 = Accident and emergency (A&E)
190 = Anaesthetics
191 = Pain management (available from 1998-99 to 2003-04)
192 = Critical care medicine (available from 2004-05)
199 = Non-UK Provider - specialty function not known, treatment mainly surgical
300 = General medicine
301 = Gastroenterology
302 = Endocrinology
303 = Clinical haemotology
304 = Clinical physiology
305 = Clinical pharmacology
310 = Audiological medicine
311 = Clinical genetics
312 = Clinical cytogenics and molecular genetics (available from 1990-91)

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313 = Clinical immunology and allergy (available from 1991-92)
314 = Rehabilitation (available from 1991-92)
315 = Palliative medicine
320 = Cardiology
321 = Paediatric cardiology (available from 2004-05)
330 = Dermatology
340 = Respiratory medicine (also known as thoracic medicine)
350 = Infectious diseases
352 = Tropical medicine (available from 2004-05)
360 = Genito-urinary medicine
361 = Nephrology
370 = Medical oncology
371 = Nuclear medicine
400 = Neurology
401 = Clinical neuro-physiology
410 = Rheumatology
420 = Paediatrics
421 = Paediatric neurology
430 = Geriatric medicine
450 = Dental medicine (available from 1990-91)
460 = Medical opthalmology (available from 1993-94)
499 = Non-UK Provider - specialty function not known, treatment mainly medical
501 = Obstetrics (prior to 2004-05: Obstetrics for patients using a hospital bed or delivery facilities)
502 = Gynaecology
560 = Midwifery (available from October 1995)
600 = General Medical Practice
601 = General Dental Practice
610 = General practice with maternity function (available to 2003-04)
620 = General practice other than maternity (available to 2003-04)
700 = Learning disability (previously known as mental handicap)
710 = Mental illness
711 = Child and adolescent psychiatry
712 = Forensic psychiatry
713 = Psychotherapy
715 = Old age psychiatry (available from 1990-91)
800 = Clinical oncology (previously Radiotherapy)
810 = Radiology
820 = General pathology
821 = Blood transfusion
822 = Chemical pathology
823 = Haematology
824 = Histopathology
830 = Immunopathology
831 = Medical microbiology
832 = Neuropathology (available to 2003-04)
900 = Community medicine
901 = Occupational medicine
902 = Community health services - dental (available from 2004-05)
903 = Public health medicine (available from 2004-05)
904 = Public health dental (available from 2004-05)
950 = Nursing episode (available from 2002-03)
960 = Allied health professional episode (available from 2006-07)
null = Other maternity event
& = Not known

Data cleaning	Rule 1010

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HES field name	**Augmented care period start date**
Field	acpstar
Class	Augmented/critical care period
Length and format	dd/mm/yyyy = Date
Availability	From 1 October 1997 to 31 March 2006

Description

This field states the start date of a period of augmented care.

Value

dd/mm/yyyy = Date period started

null = Not applicable / not known

Data cleaning	Rule 1020

HES field name	**High-dependency care level**
Field	depdays
Class	Augmented/critical care period
Length and format	4n
Availability	From 1 October 1997 to 31 March 2006

Description

This field contains the number of days of high dependency care in a period of augmented care.

Value

4n = Number of days in the range 000 to 9998

9999 = Not known: a validation error

Data cleaning	Rule 1030

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HES field name	**Intensive care level days**
Field	intdays
Class	Augmented/critical care period
Length and format	4n
Availability	From 1 October 1997 to 31 March 2006

Description

This field contains the number of days of intensive care in a period of augmented care.

Value

4n = Number of days in the range 0000 to 9998

null = Not known: a validation error

Data cleaning	Rule 1040

HES field name	**Number of augmented care periods within episode**
Field	numacp
Class	Augmented/critical care period
Length and format	2n
Availability	From 1 October 1997 to 31 March 2006

Description

This derived field gives the number of augmented care periods (ACPs) within episode.

Value

2n = Number of augmented care periods within the episode

Data cleaning	Not applicable (derived by rule 1060)

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HES field name	**Number of organ systems supported**
Field	orgsup
Class	Augmented/critical care period
Length and format	2n
Availability	From 1 October 1997 to 31 March 2006

Description

This field contains the number of organ support systems used (up to five) during a period of augmented care.

Value

2n = Number of organ systems supported in the range 00 to 05

98 = Not applicable: Augmented care period not finished

99 = Not known: a validation error

Data cleaning	Rule 1050

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Clinical

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HES field name	Date of operation
Field	opdte_nn
Class	Clinical
Length and format	dd/mm/yyyy (Date)
Availability	

Description

This field contains the dates for operations recorded in the operation codes (oper_nn) field. There is room for twenty-four dates (twelve prior to April 2002).

Value

dd/mm/yyyy = Date of operation

Data cleaning	Rules 480, 485, 610 and 620

HES field name	All diagnosis codes
Field	diag_nn
Class	Clinical
Length and format	6an
Availability	

Description

There are twenty fields (fourteen before April 2007 and seven before April 2002), diag_01 to diag_20, which contain information about a patient's illness or condition.

The field diag_01 contains the primary diagnosis. The other fields contain secondary/subsidiary diagnoses. The codes are defined in the International Statistical Classification of Diseases, Injuries and Causes of Death.

HES records currently use the tenth revision (ICD-10). Prior to April 1995, the ninth revision was used (ICD-9). Diagnosis codes start with a letter and are followed by two or three digits. The third digit identifies variations on a main diagnosis code containing two digits.

The third digit is preceded by a full stop in ICD-10, but this is not stored in the field.

Value

annnna = A valid ICD-9 or ICD-10 diagnosis code

annnnn = A valid ICD-9 or ICD-10 diagnosis code

null = not applicable

Data cleaning	Rules 460, 470, 490, 500, 510, 530, 630, 640, 840 and 850

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HES field name	**Cause code - 4 characters**
Field	cause4dg
Class	Clinical
Length and format	4an
Availability	

Description
This item is a copy of the initial 4 characters of the first diagnosis code that represents an external cause, eg accidents or poisoning.

Value
4an = Code copied from a diagnosis field: this is a standard ICD-10 code in the range V01-Y98
null = Unfinished episode, other maternity event or no cause code found

Data cleaning	Rules 460, 470, 510 and 530 (then derived by rule 580)

HES field name	**Cause code - 3 characters**
Field	cause3
Class	Clinical
Length and format	3an
Availability	

Description
This item is a copy of the initial 3 characters of the first diagnosis code that represents an external cause, eg accidents or poisoning.

Value
3an = Code copied from a diagnosis field: this is a standard ICD-10 code in the range V01-Y98
null = Unfinished episode, other maternity event or no cause code found

Data cleaning	Rules 460, 470, 510 and 530 (then derived by rule 580)

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HES field name	**Cause code**
Field	cause
Class	Clinical
Length and format	6an
Availability	

Description

External cause of injury or poisoning. This item is a copy of the first diagnosis code that represents an external cause.

Value

6an = Code copied from a diagnosis field: this is a standard ICD-10 code in the range V01-Y98

null = Unfinished episode, other maternity event or no cause code found

Data cleaning	Rules 460, 470, 510 and 530 (then derived by rule 580)

HES field name	**Intended management**
Field	intmanig
Class	Clinical
Length and format	1n
Availability	From 1997-98

Description

This field contains a code that defines what was planned to happen. The patient classification (classpat) defines what actually happened.

Value

1 = Patient to stay in hospital for at least one night

2 = Patient not to stay in hospital overnight

3 = Patient to have a planned series of admissionsat least one overnight stay

4 = Patient to have a planned sequence of admissions no overnight stay

5 = Patient to be admitted regularly for a sequence of nights rest of the 24 hour period at home

8 = Not applicable

9 = Not known

Data cleaning	Rule 120

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HES field name	**Main operative procedure - 3 characters**
Field	oper3
Class	Clinical
Length and format	3an, - or &
Availability	

Description
This provides the first three characters of the main operation (oper_1).

Value
3an = Procedure code - = No operation performed & = Not known

Data cleaning	Not applicable (this item is derived from a cleaned field)

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HES field name	**Main specialty**
Field	mainspef
Class	Clinical
Length and format	3n or &
Availability	

Description

This field contains a code that defines the specialty under which the consultant is contracted. It can be compared with tretspef, the specialty under which the consultant worked.

Value

100 = General surgery
101 = Urology
110 = Trauma and orthopaedics
120 = Ear, nose and throat (ENT)
130 = Ophthalmology
140 = Oral surgery
141 = Restorative dentistry
142 = Paediatric dentistry (available from 1999-2000)
143 = Orthodontics
145 = Oral and maxillo facial surgery (available from 2004-05)
146 = Endodontics (available from 2004-05)
147 = Periodontics (available from 2004-05)
148 = Prosthodontics (available from 2004-05)
149 = Surgical dentistry (available from 2004-05)
150 = Neurosurgery
160 = Plastic surgery
170 = Cardiothoracic surgery
171 = Paediatric surgery
180 = Accident and emergency (A&E)
190 = Anaesthetics
191 = Pain management (available from 1998-99 to 2003-04)
192 = Critical care medicine (available from 2004-05)
199 = Non-UK Provider - specialty function not known, treatment mainly surgical
300 = General medicine
301 = Gastroenterology
302 = Endocrinology
303 = Clinical haemotology
304 = Clinical physiology
305 = Clinical pharmacology
310 = Audiological medicine
311 = Clinical genetics
312 = Clinical cytogenics and molecular genetics (available from 1990-91)
313 = Clinical immunology and allergy (available from 1991-92)
314 = Rehabilitation (available from 1991-92)
315 = Palliative medicine
320 = Cardiology
321 = Paediatric cardiology (available from 2004-05)
330 = Dermatology
340 = Respiratory medicine (also known as thoracic medicine)
350 = Infectious diseases
352 = Tropical medicine (available from 2004-05)

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360 = Genito-urinary medicine
361 = Nephrology
370 = Medical oncology
371 = Nuclear medicine
400 = Neurology
401 = Clinical neuro-physiology
410 = Rheumatology
420 = Paediatrics
421 = Paediatric neurology
430 = Geriatric medicine
450 = Dental medicine (available from 1990-91)
460 = Medical opthalmology (available from 1993-94)
499 = Non-UK Provider - specialty function not known, treatment mainly medical
501 = Obstetrics (prior to 2004-05: Obstetrics for patients using a hospital bed or delivery facilities)
502 = Gynaecology
560 = Midwifery (available from October 1995)
600 = General Medical Practice
601 = General Dental Practice
610 = General practice with maternity function (available to 2003-04)
620 = General practice other than maternity (available to 2003-04)
700 = Learning disability (previously known as mental handicap)
710 = Adult mental illness
711 = Child and adolescent psychiatry
712 = Forensic psychiatry
713 = Psychotherapy
715 = Old age psychiatry (available from 1990-91)
800 = Clinical oncology (previously Radiotherapy)
810 = Radiology
820 = General pathology
821 = Blood transfusion
822 = Chemical pathology
823 = Haematology
824 = Histopathology
830 = Immunopathology
831 = Medical microbiology
832 = Neuropathology (available to 2003-04)
900 = Community medicine
901 = Occupational medicine
902 = Community health services - dental (available from 2004-05)
903 = Public health medicine (available from 2004-05)
904 = Public health dental (available from 2004-05)
950 = Nursing episode (available from 2002-03)
960 = Allied health professional episode (available from 2006-07)
null = Other maternity event
& = Not known

Data cleaning	Rule 90 and Rule 350

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HES field name	**All operative procedure codes**
Field	oper_nn
Class	Clinical
Length and format	4an, - or &
Availability	

Description

There are twenty-four fields (twelve before April 2007 and four prior to April 2002), oper_01 to oper_24, which contain information about a patient's operations.

The field oper_01 contains the main (ie most resource intensive) procedure. The other fields contain secondary procedures.

The codes are defined in the Tabular List of the Classification of Surgical Operations and Procedures. The current version is OPCS4. Procedure codes start with a letter and are followed by two or three digits.

The third digit identifies variations on a main procedure code containing two digits. The third digit is preceded by a full stop in OPCS4, but this is not stored in the field. A single operation may contain more than one procedure.

Value

4an = Procedure code

- = No operation performed

& = Not known

Data cleaning	Rules 450, 540, 550, 560, 610 and 620

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HES field name	Operation status code
Field	operstat
Class	Clinical
Length and format	1n
Availability	From 2002-03

Description

Status of operation.

Value

1 = One or more operative procedures carried out

8 = Not applicable, ie no operative procedures performed or intended

9 = Not known, ie finished episode but no data entered or the episode is unfinished and no data needs to be present. (This would only be a validation error for a finished episode.)

Data cleaning	None

HES field name	Patient classification
Field	classpat
Class	Clinical
Length and format	1n
Availability	

Description

This field identifies day cases, ordinary admissions, regular day and regular night attenders, and the special case of mothers and babies using only delivery facilities.

Data about regular day and regular night attenders are not available for analysis prior to 2002-03. Since the introduction of the NHS wide clearing service in April 1996, this field has been derived from related items in the Commissioning Data Set (eg intended management).

Value

1 = Ordinary admission

2 = Day case admission

3 = Regular day attender

4 = Regular night attender

5 = Mothers and babies using only delivery facilities

8 = Not applicable (other maternity event)

Data cleaning	Not applicable (derived by rule 260)

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HES field name	**Post-operative duration**
Field	posopdur
Class	Clinical
Length and format	3n
Availability	

Description
This derived field contains the difference in days between the date of the main operation (opdte_01) and the date the episode ended (epiend).

Value
3n = Number of days between the main operation and the end of the episode from 0-365
null = Not applicable: no operation or episode unfinished

Data cleaning	Not applicable (derived by rule 1070)

HES field name	**Pre-operative duration**
Field	preopdur
Class	Clinical
Length and format	3n
Availability	

Description
This derived field contains the difference in days between the date the episode started (epistart) and the date of the main operation (opdte_01).

Value
3n = Number of days between the start of the episode and the main operation from 0-365
null = Not applicable: no operation or episode unfinished

Data cleaning	Not applicable (derived by rule 1075)

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HES field name	**Primary diagnosis - 4 characters**
Field	diag4
Class	Clinical
Length and format	4an
Availability	

Description

This provides the first four characters of the primary diagnosis (diag_01).

Value

4an = A valid ICD-9 or ICD-10 diagnosis code

null = Not applicable

Data cleaning	Not applicable (derived from a cleaned field)

HES field name	**Primary diagnosis - 3 characters**
Field	diag3
Class	Clinical
Length and format	3an
Availability	

Description

This provides the first three characters of the primary diagnosis (diag_01).

Value

3an = A valid ICD-9 or ICD-10 diagnosis code

null = Not applicable

Data cleaning	Not applicable (derived from a cleaned field)

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HES field name	**Primary diagnosis chapter**
Field	chapter
Class	Clinical
Length and format	4an
Availability	

Description
This provides the chapter of the primary diagnosis (diag_01).

Value
Chapters I to XXII

Data cleaning

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HES field name	**Treatment specialty**
Field	tretspef
Class	Clinical
Length and format	3n or &
Availability	

Description

This field contains a code that defines the specialty in which the consultant was working during the period of care. It can be compared with mainspef, the specialty under which the consultant is contracted.

Prior to 1 April 1996, this data item contained the code for the sub-specialty (subspef). From April 2004 a new list of treatment specialities was introduced (see below).

The new list describes the specialised service within which the patient was treated.

Value

From 1 April 2004:

100 = General surgery
101 = Urology
102 = Transplantation surgery (includes renal and liver transplants, excludes cardiothoracic transplantation)
103 = Breast surgery (includes suspected neoplasms, cysts etc, does not include cosmetic surgery)
104 = Colorectal surgery (surgical treatment of disorders of the lower intestine - colon, anus and rectum)
105 = Hepatobiliary & pancreatic surgery (includes liver surgery but excludes liver transplantation see transplantation surgery)
106 = Upper gastrointestinal surgery
107 = Vascular surgery
110 = Trauma & orthopaedics
120 = Ear, nose and throat (ENT)
130 = Ophthalmology
140 = Oral surgery
141 = Restorative dentistry (endodontics, periodontics and prosthodontics)
142 = Paediatric dentistry
143 = Orthodontics
144 = Maxillo-facial surgery
150 = Neurosurgery
160 = Plastic surgery
161 = Burns care (recognised specialist services only - includes 'outreach' facilities)
170 = Cardiothoracic surgery (where there are no separate services for cardiac and thoracic surgery)
171 = Paediatric surgery
172 = Cardiac surgery
173 = Thoracic surgery
174 = Cardiothoracic transplantation (recognised specialist services only - includes 'outreach' facilities)
180 = Accident & emergency (A&E)
190 = Not a treatment function
191 = Pain management (complex pain disorders requiring diagnosis and treatment by a specialist multi-professional team)
192 = Critical care medicine (also known as intensive care medicine)

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199 = Non-UK Provider - specialty function not known, treatment mainly surgical
211 = Paediatric Urology (from 2006-07)
212 = Paediatric Transplantation Surgery (from 2006-07)
213 = Paediatric Gastrointestinal Surgery (from 2006-07)
214 = Paediatric Trauma and Orthopaedics (from 2006-07)
215 = Paediatric Ear Nose and Throat (from 2006-07)
216 = Paediatric Ophthalmology (from 2006-07)
217 = Paediatric Maxillo-Facial Surgery (from 2006-07)
218 = Paediatric Neurosurgery (from 2006-07)
219 = Paediatric Plastic Surgery (from 2006-07)
220 = Paediatric Burns Care (from 2006-07)
221 = Paediatric Cardiac Surgery (from 2006-07)
222 = Paediatric Thoracic Surgery (from 2006-07)
241 = Paediatric Pain Management (from 2006-07)
242 = Paediatric Intensive Care (from 2006-07)
251 = Paediatric Gastroenterology (from 2006-07)
252 = Paediatric Endocrinology (from 2006-07)
253 = Paediatric Clinical Haetology (from 2006-07)
254 = Paediatric Audiological Medicine (from 2006-07)
255 = Paediatric Clinical Immunology and Allergy (from 2006-07)
256 = Paediatric Infectious diseases (from 2006-07)
257 = Paediatric Dermatology (from 2006-07)
258 = Paediatric Respiratory Medicine (from 2006-07)
259 = Paediatric Nephrology (from 2006-07)
260 = Paediatric Medical Oncology (from 2006-07)
261 = Paediatric Metabolic disease (from 2006-07)
262 = Paediatric Pheumalogy (from 2006-07)
280 = Paediatric Interventional Radiology (from 2006-07)
290 = Community Paediatrics (from 2006-07)
291 = Paediatric Neuro-disability (from 2006-07)
300 = General medicine
301 = Gastroenterology
302 = Endocrinology
303 = Clinical haematology
304 = Clinical Physiology (from 2008-09)
305 = Clinical pharmacology
306 = Hepatology
307 = Diabetic medicine
308 = Bone and marrow transplantation (previously part of clinical haematology)
309 = Haemophilia (previously part of clinical haematology)
310 = Audiological medicine
311 = Clinical genetics
312 = Not a treatment function
313 = Clinical immunology and allergy (where there are no separate services for clinical immunology and allergy)
314 = Rehabilitation
315 = Palliative medicine
316 = Clinical immunology
317 = Allergy
318 = Intermediate care (encompasses a range of multidisciplinary services designed to safeguard independence by maximising rehabilitation and recovery)
319 = Respite care
320 = Cardiology
321 = Paediatric cardiology
322 = Clinical microbiology
323 = Spinal Injuries (from 2006-07)
330 = Dermatology
340 = Thoracic medicine
341 = Respiratory Physiology (previously known as Sleep studies)
350 = Infectious diseases

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352 = Tropical medicine
360 = Genito-urinary medicine
361 = Nephrology
370 = Medical oncology
371 = Nuclear Medicine (from 2008-09)
400 = Neurology
401 = Clinical Neurophysiology (from 2008-09)
410 = Rheumatology
420 = Paediatrics
421 = Paediatric neurology
422 = Neonatology
424 = Well babies (care given by the mother/substitute, with nursing advice if needed)
430 = Geriatric medicine
450 = Dental medicine
460 = Medical ophthalmology
499 = Non-UK Provider - specialty function not known, treatment mainly medical
500 = Not a treatment function
501 = Obstetrics
502 = Gynaecology
503 = Gynaecological oncology
510 and 520 = Not treatment functions
560 = Midwife episode
600, 610 and 620 = Not treatment functions
650 = Physiotherapy (from 2006-07)
651 = Occupational Therapy (from 2006-07)
652 = Speech and Language Therapy (from 2006-07)
653 = Podiatry (from 2006-07)
654 = Dietetics (from 2006-07)
655= Orthoptics (from 2006-07)
656 = Clinical Psychology (from 2006-07)
700 = Learning disability (previously known as mental handicap)
710 = Adult mental illness
711 = Child and adolescent psychiatry
712 = Forensic psychiatry
713 = Psychotherapy
715 = Old age psychiatry
720 = Eating Disorders (from 2006-07)
721 = Addicition Services (from 2006-07)
722 = Liaison Psychiatry (from 2006-07)
723 = Psychiatric Intensive Care(from 2006-07)
724 = Perinatal Psychiatry (from 2006-07)
800 = Clinical oncology (previously known as Radiotherapy)
810 = Radiology (until 2005-06)
811 = Interventional radiology
812 = Diagnostic Imaging (from 2008-09)
820 and 821 = Not treatment functions
822 = Chemical pathology
823, 824, 830, 831 832, 900, 901, 950 and 990 = Not treatment functions
840 = Audiology (from 2008-09)
null = Other maternity event
& = Not known

Until 31 March 2004:

100 = General surgery
101 = Urology
110 = Trauma and orthopaedics
120 = Ear, nose and throat (ENT)
130 = Ophthalmology
140 = Oral surgery

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141 = Restorative dentistry
142 = Paediatric dentistry (from 1999-2000)
143 = Orthodontics
150 = Neurosurgery
160 = Plastic surgery
170 = Cardiothoracic surgery
171 = Paediatric surgery
180 = Accident and emergency (A&E)
190 = Anaesthetics
191 = Pain management (from 1998-99)
300 = General medicine
301 = Gastroenterology
302 = Endocrinology
303 = Haematology (clinical)
304 = Clinical physiology
305 = Clinical pharmacology
310 = Audiological medicine
311 = Clinical genetics
312 = Clinical cytogenics and molecular genetics (from 1990-91)
313 = Clinical immunology and allergy (from 1991-92)
314 = Rehabilitation (from 1991-92)
315 = Palliative medicine
320 = Cardiology
330 = Dermatology
340 = Thoracic medicine
350 = Infectious diseases
360 = Genito-urinary medicine
361 = Nephrology
370 = Medical oncology
371 = Nuclear medicine
400 = Neurology
401 = Clinical neuro-physiology
410 = Rheumatology
420 = Paediatrics
421 = Paediatric neurology
430 = Geriatric medicine
450 = Dental medicine (from 1990-91)
460 = Medical opthalmology (from 1993-94)
501 = Obstetrics for patients using a hospital bed or delivery facilities
502 = Gynaecology
560 = Midwifery (from October 1995)
610 = General practice with maternity function
620 = General practice other than maternity
700 = Learning disability (previously known as mental handicap)
710 = Mental illness
711 = Child and adolescent psychiatry
712 = Forensic psychiatry
713 = Psychotherapy
715 = Old age psychiatry (from 1990-91)
800 = Clinical oncology (previously known as Radiotherapy)
810 = Radiology
820 = General pathology
821 = Blood transfusion
822 = Chemical pathology
823 = Haematology
824 = Histopathology
830 = Immunopathology
831 = Medical microbiology
832 = Neuropathology
900 = Community medicine

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901 = Occupational medicine
950 = Nursing episode (from 2002-03)
null = Other maternity event
& = Not known

Data cleaning	Rule 100

HES field name	**Ambulatory Care Sensitive Condition Flag**
Field	Acscflag
Class	Diagnosis
Length and format	1n
Availability	2007-2008 onwards

Description

Ambulatory Care Sensitive Condition flag is derived for finished APC episodes where the admission method is ‘emergency’. The flag indicates whether the episode contains a diagnosis which is ambulatory care sensitive

Value

1 = episode contains a diagnosis that is ambulatory care sensitive

0 = episode doesn’t contain a diagnosis that is ambulatory care sensitive

Data cleaning

Derived by rule 509

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HES field name	**Principal alcohol related diagnosis**
Field	Alcdiag
Class	Diagnosis
Length and format	6an
Availability	2002-2003 onwards

Description

Indicates the diagnosis code with the highest alcohol attributable fraction. Where this applies to more than one code, the code that appears earliest in the sequence of diagnosis fields is used. Where no alcohol attributable diagnosis is present this field will be null. Please refer to the supplementary table, 'Refreshed Indicator Conditions and Fractions', on the Data Dictionaries page of HESonline for more information [http://www.hesonline.nhs.uk/Ease/servlet/ContentServer?siteID=1937&categoryID=289].

Value

annnna = A valid ICD-9 or ICD-10 diagnosis code

annnnn = A valid ICD-9 or ICD-10 diagnosis code

null = not applicable

Data cleaning

Derived by rule 1230

HES field name	**Principal alcohol related fraction**
Field	Alcfrac
Class	Diagnosis
Length and format	n.nn
Availability	2002-2003 onwards

Description

Indicates the highest alcohol attributable fraction within the episode based on the principal alcohol related diagnosis. Please refer to the supplementary table, 'Refreshed Indicator Conditions and Fractions', on the Data Dictionaries page of HESonline for more information [http://www.hesonline.nhs.uk/Ease/servlet/ContentServer?siteID=1937&categoryID=289].

Value

-

Data cleaning

Derived by rule 1230

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Discharges

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HES field name	**Date of discharge**
Field	disdate
Class	Discharges
Length and format	dd/mm/yyyy (Date)
Availability	All years

Description
This field contains the date on which the patient was discharged from hospital. It is only present in the record for the last episode of a spell.

Value
d/mm/yyyy = Date null = Date not known / not applicable

Data cleaning	Rules 205, 210, 220 and 223

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HES field name	**Destination on discharge**
Field	disdest
Class	Discharges
Length and format	2n
Availability	

Description

This field contains a code which identifies where the patient was due to go on leaving hospital. In most cases they return home.

For many patients discharge destination is the same as source of admission (admisorc).

Value

19 = The usual place of residence, including no fixed abode

29 = Temporary place of residence when usually resident elsewhere, for example, hotels and residential educational establishments

30 = Repatriation from high security psychiatric hospital (from 1999-2000)

37 = Penal establishment - court (from 1999-2000)

38 = Penal establishment - police station (from 1999-2000)

39 = Penal establishment - court and police station excluded (from 1999-2000 to 2006-07)

48 = High security psychiatric hospital, Scotland (from 1999-2000)

49 = NHS other hospital provider - high security psychiatric accommodation

50 = NHS other hospital provider - medium secure unit (from 1999-2000)

51 = NHS other hospital provider - ward for general patients or the younger physically disabled

52 = NHS other hospital provider - ward for maternity patients or neonates

53 = NHS other hospital provider - ward for patients who are mentally ill or have learning disabilities

54 = NHS run nursing home, residential care home or group home

65 = Local authority Part 3 residential accommodation - where care is provided (from 1996-97)

66 = Local authority foster care, but not in Part 3 residential accommodation - where care is provided (from 1996-97)

69 = LA home or care (1989-90 to 1995-96)

79 = Not applicable - patient died or still birth

84 = Non-NHS run hospital - medium secure unit (from 2003-04)

85 = Non-NHS (other than local authority) run residential care home (from 1996-97 to 2003-04)

85 = Non-NHS (other than local authority) run care home (from 2003-04)

86 = Non-NHS (other than local authority) run nursing home (from 1996-97 to 2003-04)

87 = Non-NHS run hospital

88 = Non-NHS (other than local authority) run hospice

89 = Non-NHS institution (1989-90 to 1995-96)

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98 = Not applicable

99 = Not known

Data cleaning	Rules 205, 210, 220 and 223

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HES field name	**Discharge date check flag**
Field	dis_cfl
Class	Discharges
Length and format	1n
Availability	

Description

Codes in this field indicate whether the discharge date (disdate) is valid.

Value

0 = Valid (or missing because not required)

1 = Missing

2 = Invalid

Data cleaning	Not applicable (derived by rules 205, 210, 220 and 223)

HES field name	**Discharge ready date**
Field	disreadydate
Class	Discharges
Length and format	dd/mm/yyyy (Date)
Availability	2007-08, Quarter 3 onwards

Description

The date that a patient was medically ready for discharge from a hospital bed, but couldn't be discharged, therefore qualifying for delayed discharge payments.

Value

dd/mm/yyyy = discharge ready date

Data cleaning	Data not cleaned

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HES field name	**Method of discharge**
Field	dismeth
Class	Discharges
Length and format	1n
Availability	

Description

This field contains a code which defines the circumstances under which a patient left hospital. For the majority of patients this is when they are discharged by the consultant.

This field is only completed for the last episode in a spell.

Value

1 = Discharged on clinical advice or with clinical consent

2 = Self discharged, or discharged by a relative or advocate

3 = Discharged by a mental health review tribunal, the Home Secretary or a court

4 = Died

5 = Baby was still born

8 = Not applicable: patient still in hospital

9 = Not known: a validation error

Data cleaning	Rules 205, 210, 220, 223 and 320

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Episodes and spells

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HES field name	**Bed days within the year**
Field	bedyear
Class	Episodes and spells
Length and format	3n
Availability	All years

Description

This derived field provides the duration of an episode in days within the HES data year. It is derived from epistart (episode start date) and epiend (episode end date).

For episodes that both start and finish in the data year, bedyear has the same value as epidur (episode duration). If the episode is unfinished, bedyear is calculated from epistart and the end of the data year.

If epistart is before the beginning of the data year, bedyear is calculated from the start of the data year and epiend. If the record type is other maternity events (episode type 5 or 6), bedyear is null.

Value

3n = The number of days of stay from 0 to 366

null = Not applicable (other maternity event / not known)

Data cleaning	Not applicable (derived by rule 240)

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HES field name	**Beginning of spell**
Field	spelbgin
Class	Episodes and spells
Length and format	1n
Availability	

Description

This derived field contains a code that defines whether the episode is the first of a spell and whether the spell started in the current or previous year. Other maternity events are excluded.

Value

0 = Not first episode of spell

1 = First episode of spell that started in previous year

2 = First episode of spell that started in current year

null = Not applicable

Data cleaning	Not applicable (derived by rule 1170)

HES field name	**Date episode ended**
Field	epiend
Class	Episodes and spells
Length and format	dd/mm/yyyy (Date)
Availability	

Description

This field contains the date on which a patient left the care of a particular consultant, for one of the following reasons:

Discharged from hospital (includes transfers) or moved to the care of another consultant.

A null entry either indicates that the episode was unfinished at the end of the data year, or the date was unknown.

Value

dd/mm/yyyy = Date episode ended

null = Not applicable / not known

Data cleaning	Rules 190, 200 and 203

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HES field name	**Date episode started**
Field	epistart
Class	Episodes and spells
Length and format	dd/mm/yyyy (Date)
Availability	

Description

This field contains the date on which a patient was under the care of a particular consultant. If a patient has more than one episode in a spell, for each new episode there is a new value of epistart.

However, the admission date which is copied to each new episode in a spell will remain unchanged and will be equal to the episode start date of the first episode in hospital.

Value

dd/mm/yyyy = Date episode started

null = Not applicable / not known

Data cleaning	Rule 30

HES field name	**Duration of spell**
Field	speldur
Class	Episodes and spells
Length and format	5n
Availability	

Description

This derived field contains the difference in days between the admission date (admidate) and the discharge date (epiend) provided the discharge method (dismeth) confirms that the spell has finished.

If the episode has not finished it is calculated from the end of the year and admidate.

Value

5n = Duration of spell in days from 0 to 29,200

null = Not applicable: patient not discharged (dismeth not in range 1-5), other maternity event (epitype is 5 or 6) or not valid

Data cleaning	Not applicable (derived by rule 1180)

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HES field name	End of spell
Field	spelend
Class	Episodes and spells
Length and format	1a
Availability	

Description

This field contains a code which defines whether the episode is the last of a spell.

It is set for finished episodes (episode status - epistat - is 3) for general, delivery or birth episodes (episode type - epitype - is 1, 2 or 3) provided the discharge method (dismeth) confirms that the spell has finished.

Value

Y = Last episode of spell

N = Not last episode of spell

Data cleaning	Not applicable (derived by rule 1190)

HES field name	Episode duration
Field	epidur
Class	Episodes and spells
Length and format	5n
Availability	

Description

This field contains the difference in days between the episode start date (epistart) and the episode end date (epiend).

If the episode is unfinished epidur is set as null.

Value

5n = Duration of episode in days from 0 to 29,200

null = Not applicable (other maternity event or not known)

Data cleaning	Not applicable (derived by rule 250)

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HES field name	**Episode end date check flag**
Field	epie_cfl
Class	Episodes and spells
Length and format	1n
Availability	

Description
This field validates the episode end date (epiend).

Value
0 = Valid (or missing because not required)
1 = Missing
2 = Invalid

Data cleaning	Not applicable

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HES field name	**Episode order**
Field	epiorder
Class	Episodes and spells
Length and format	2n
Availability	

Description

This field contains the number of the episode within the current spell. All spells start with an episode where epiorder is 01.

Many spells finish with this episode, but if the patient moves to the care of another consultant, a new episode begins. Episode numbers increase by 1 for each new episode until the patient is discharged (this includes transfers to another NHS trust or primary care trust - ie the first episode in the new trust will have epiorder 01).

If the same patient returns for a different spell in hospital, epiorder is again set to 01.

Admissions are calculated by counting the number of times epiorder is 01. When studying long term care, remember that it is not unusual to transfer psychiatric patients from one hospital to another.

Value

2n = The number of the episode in the sequence of episodes from 01-87

98 = Not applicable

99 = Not known

null = Not applicable: other maternity event

Data cleaning	Rules 130, 140 and 320

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HES field name	**Episode start date check flag**
Field	epis_cfl
Class	Episodes and spells
Length and format	1n
Availability	

Description
This field validates the episode start date (epistart).

Value
0 = Valid (or missing because not required)
1 = Missing
2 = Invalid

Data cleaning	Not applicable (derived by rule 30)

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HES field name	**Episode status**
Field	epistat
Class	Episodes and spells
Length and format	1n
Availability	

Description

This field tells you whether the episode had finished before the end of the HES data-year (ie whether the episode was still 'live' at midnight on 31 March).

For example, if a patient was admitted on 25 March 2005 and was not discharged (or transferred to the care of another consultant) until 4 April 2005, there will be a record describing the unfinished episode (episode status = 1) in the 2004-05 data, and a separate record describing the finished episode (episode status = 3) in the 2005-06 data.

Because hospital providers are advised not to include clinical data (diagnosis and operation codes) in unfinished records, these are normally excluded from analyses.

Also, if unfinished episodes are included in time series analyses - where data for more than one year is involved - there is a danger of counting the same episode twice.

Value

1 = Unfinished

3 = Finished

9 = Derived unfinished (not present on processed data)

Data cleaning	Rules 170 and 180

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HES field name	Episode type
Field	epitype
Class	Episodes and spells
Length and format	1n
Availability	

Description

This field contains a code that defines the type of episode, so that groups of similar episodes can be formed.

Value

1 = General episode (anything that is not covered by the other codes)

2 = Delivery episode

3 = Birth episode

4 = Formally detained under the provisions of mental health legislation or long-term (over one year) psychiatric patients who should have additional information recorded on the psychiatric census. This value can only appear in unfinished records

5 = Other delivery event

6 = Other birth event

Data cleaning	Rules 150 & 160

HES field name	Hospital provider spell number
Field	provspno
Class	Episodes and spells
Length and format	12an
Availability	From 1997-98

Description

Hospital provider spell number. A number to provide a unique identifier for each Hospital Provider Spell for a Health Care Provider.

Value

Not available

Data cleaning	None

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HES field name	**Ward type at start of episode**
Field	wardstrt
Class	Episodes and spells
Length and format	7n
Availability	From 1997-98 until 31 March 2001

Description

This field contains a code that defines the characteristics of a ward. The code has six parts: AABCDEF.

Value

A is as follows:

71 = Home leave, non-psychiatric

72 = Home leave, psychiatric

B is age as follows:

1 = Neonates

2 = Children and adolescents

3 = Elderly

8 = Any age

9 = Invalid

C is sex as follows:

8 = Not specified

9 = Invalid

D is the hospital provider as follows:

1 = NHS hospital provider

2 = Non-NHS hospital provider

9 = Invalid

E is the number of days in a week that the ward is open only during the day

F is the number of days in a week that the ward is open at night

Data cleaning	None

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HES field name	**Cancer network**
Field	cannet
Class	Geographical
Length and format	3an
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].

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
Length and format	5an
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].

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)

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HES field name	Census Output Area, 2001
Field	Oacode
Class	Geographical
Length and format	10an
Availability	From 2003-04 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 Census output area, 2001 (oacode) field contains sensitive data.

Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

Not available

Data cleaning	Data not cleaned

HES field name	Census Output Area, 2001 (6 character)
Field	oacode6
Class	Geographical
Length and format	6an
Availability	

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

Not available

Data cleaning	Data not cleaned

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HES field name	**County of residence**
Field	rescty
Class	Geographical
Length and format	2n
Availability	

Description

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

Value

00 = Unitary authority
09 = Bedfordshire
11 = Buckinghamshire
12 = Cambridgeshire
13 = Cheshire
15 = Cornwall and Isles of Scilly
16 = Cumbria
17 = Derbyshire
18 = Devon
19 = Dorset
20 = Durham
21 = East Sussex
22 = Essex
23 = Gloucestershire
24 = Hampshire
26 = Hertfordshire
29 = Kent
30 = Lancashire
31 = Leicestershire
32 = Lincolnshire
33 = Norfolk
34 = Northamptonshire
35 = Northumberland
36 = North Yorkshire
37 = Nottinghamshire
38 = Oxfordshire
39 = Shropshire

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40 = Somerset

41 = Staffordshire

42 = Suffolk

43 = Surrey

44 = Warwickshire

45 = West Sussex

46 = Wiltshire

47 = Worcestershire

S = Scotland

U = England

W = Wales

X = Foreign (from 1990-91 onwards)

Y = Not known

Z = Northern Ireland

Data cleaning	Not applicable (derived by rule 1200)

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HES field name	**Current electoral ward**
Field	currward
Class	Geographical
Length and format	2a
Availability	

Description

This 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, resladst, the result is a unique value.

Value

2a = Electoral ward

Data cleaning	Not applicable

HES field name	**Electoral ward in 1981**
Field	ward81
Class	Geographical
Length and format	5a
Availability	

Description

This field contains a code that indicates the patient's local authority and electoral ward of residence in 1981. It is derived from the patient's postcode in the field homeadd. From the 1996-1997 data year, this field becomes ward91.

Value

5a = Electoral ward

Data cleaning	Not applicable (derived by rule 1200)

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HES field name	**Electoral ward in 1991**
Field	ward91
Class	Geographical
Length and format	6a
Availability	1996-99 to 1998-99

Description

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

Value

6a = Electoral ward

Data cleaning	Not applicable (derived by rule 1200)

HES field name	**Electoral ward in 1998**
Field	ward98
Class	Geographical
Length and format	6a
Availability	1999-00 to 2000-01

Description

This field contains the patient's full frozen 1998 Census electoral ward and local authority of residence. It is derived from the patient's postcode in the field homeadd.

Value

6a = Electoral ward

Data cleaning	Not applicable (derived by rule 1200)

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HES field name	**Government office region of residence**
Field	resgor
Class	Geographical
Length and format	2an
Availability	1996-97 onwards

Description

This derived 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

C = Merseyside (until 1998-99)

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	Not applicable (derived by rule 1200)

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HES field name	**Government office region of treatment**
Field	gortreat
Class	Geographical
Length and format	1a
Availability	From 2002-03

Description

Goverment 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	Not applicable (derived by rule 1145)

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HES field name	**Health authority of residence**
Field	resha
Class	Geographical
Length and format	3a
Availability	

Description

Health authority (HA) of residence (contains the district health authority of residence prior to 1 April 1996).

This derived field contains the code for the HA in which the patient lived immediately before admission.

Resha is derived from the patient's postcode in the field homeadd. (This may not be the area where treatment took place (hatreat).)

If homeadd is not recognised, resha may be derived from the health authority of residence notified by the hospital (har).

From 2002-03 information relating to the strategic health authority of residence is available.

Value

3a = 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	Not applicable - derived by the following rule: Rule 1200

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HES field name	**Health authority of treatment**
Field	hatreat
Class	Geographical
Length and format	3a
Availability	

Description
This field indicates the health authority (HA) where the treatment took place. It is derived from the hospital provider code (procode). Health authority of treatment (contains the district health authority of treatment prior to 1 April 1996).

Value
3a = Health authority of treatment
Y = Unknown

Data cleaning	Not applicable (derived by rule 1145)

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HES field name	**Local authority district**
Field	resladst
Class	Geographical
Length and format	4an
Availability	

Description

This derived field contains a code for the patient's county (first two characters) and local authority district (last two characters) of residence. It is derived from the patient's postcode in the field homeadd.

This field is used in conjunction with currward (current electoral ward) to produce a unique value indicating the ward within a given district where the patient resided (ie because identical Currward codes are allocated to many local authority districts, currward is meaningless in isolation).

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.

Value

4an = Local authority code

S = Scotland

U = England (NOS)

W = Wales

Y = Not known

Z = Northern Ireland

X = Foreign (from 1991 onwards)

9999 = Not known

Data cleaning	Not applicable (derived by rule 1200)

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HES field name	**Local authority district in 1998**
Field	lad98
Class	Geographical
Length and format	4an
Availability	1999-00 to 2000-01

Description

This derived field contains a code for the patient's county (first two characters) and local authority district (last two characters) of residence. It is derived from the patient's postcode (homeadd).

This field is used in conjunction with currward (current electoral ward) to produce a unique value indicating the ward within a given district where the patient resided (ie because identical Currward codes are allocated to many local authority districts, currward is meaningless in isolation).

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.

Value

4an = Local authority code

S = Scotland

U = England (NOS)

W = Wales

Y = Not known

Z = Northern Ireland

X = Foreign

Data cleaning	Not applicable (derived item)

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HES field name	**Lower Super Output Area**
Field	soal
Class	Geographical
Length and format	10an
Availability	

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

10an = Lower Super Output Area

Z99999999 = Not known

Data cleaning	Data not cleaned

HES field name	**Middle Super Output Area**
Field	soam
Class	Geographical
Length and format	10an
Availability	

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

10an = Middle Super Output Area

Z99999999 = Not known

Data cleaning	Data not cleaned

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HES field name	**Ordnance Survey grid reference**
Field	gridlink
Class	Geographical
Length and format	9n
Availability	From 2002-03 onwards

Description

Ordnance survey postcode grid reference. 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).

The Gridlink field in HES is only available to the NHS.

Value

9n = Ordnance survey grid reference (4 digits eastings, 5 digits northings)

Data cleaning	Not applicable (derived by rule 1200)

HES field name	**Patient's health authority of residence, provided by NHS**
Field	har
Class	Geographical
Length and format	3an
Availability	

Description

The patient's health authority of residence provided by the NHS.

Value

3an = Health authority of residence

499 = Non-UK Provider

X98 = Unknown

Data cleaning	None

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HES field name	**Patient's primary care trust of residence**
Field	respct
Class	Geographical
Length and format	3an
Availability	From 1996-97

Description

This derived field contains the code for the primary care trust (PCT) in which the patient lived immediately before admission. It is derived from the patient's postcode in the field homeadd.

Value

naa or nan = Primary care trust of residence

59999 = Unknown

59898 = Not applicable

Data cleaning	Not applicable (derived by rule 1200)

HES field name	**Patient's primary care trust of residence – historic**
Field	respct02
Class	Geographical
Length and format	naa or nan
Availability	

Description

This derived field contains the code for the primary care trust (PCT) in which the patient lived immediately before admission. It is derived from the patient's postcode in the field homeadd.

Value

naa or nan = Primary care trust of residence

59999 = Unknown

59898 = Not applicable

Data cleaning	Not applicable (derived by rule 1200)

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HES field name	**Patient's primary care trust of residence – current**
Field	respct06
Class	Geographical
Length and format	3an
Availability	

Description

This derived field contains the code for the primary care trust (PCT) in which the patient lived immediately before admission. It is derived from the patient's postcode in the field homeadd.

Value

naa or nan = Primary care trust of residence

59999 = Unknown

59898 = Not applicable

Data cleaning	Not applicable (derived by rule 1200)

HES field name	**Patient's strategic health authority of residence**
Field	resstha
Class	Geographical
Length and format	3an
Availability	From 1996-97

Description

This derived field contains the code for the strategic health authority (SHA) in which the patient lived immediately before admission. It is derived from the patient's postcode in the field homeadd.

Value

3an = Strategic health authority of residence

Y = Not known

Data cleaning	Not applicable (derived by rule 1200)

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HES field name	**Patient's strategic health authority of residence - historic**
Field	resstha02
Class	Geographical
Length and format	3an
Availability	

Description

This derived field contains the code for the strategic health authority (SHA) in which the patient lived immediately before admission. It is derived from the patient's postcode in the field homeadd.

Value

3an = Strategic health authority of residence

Y = Not known

Data cleaning	Not applicable (derived by rule 1200)

HES field name	**Patient's strategic health authority of residence - current**
Field	resstha06
Class	Geographical
Length and format	3an
Availability	

Description

This derived field contains the code for the strategic health authority (SHA) in which the patient lived immediately before admission. It is derived from the patient's postcode in the field homeadd.

Value

3an = Strategic health authority of residence

Y = Not known

Data cleaning	Not applicable (derived by rule 1200)

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HES field name	**Primary care trust area of main provider**
Field	pcttreat
Class	Geographical
Length and format	3an
Availability	From 1996-97

Description

This field is derived from the hospital provider code (procode). It indicates the PCT area of the main provider of treatment. Note that the PCT itself may be the provider of treatment.

Note: This field was formerly known as 'Primary care trust area of treatment'.

Value

3an = Primary care trust of treatment

59898 = Not applicable

59999 = Unknown

Data cleaning	Not applicable (derived by rule 1145)

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HES field name	**Region of treatment**
Field	rotreat
Class	Geographical
Length and format	3an
Availability	

Description

Region of treatment (contains the Regional Health Authority of treatment prior to 1 April 1996). This derived field is extracted from the hospital provider code (procode).

It defines the Regional Office (RO) where the treatment took place.

Value

From 1 April 1999:

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

From 1 April 1996 to 31 March 1999:

Y01 = Northern and Yorkshire

Y02 = Trent

Y03 = Anglia and Oxford

Y04 = North Thames

Y05 = South Thames

Y06 = South and West

Y07 = West Midlands

Y08 = North West

Y = Not Known

From 1 April 1989 to 31 March 1996:

Y0A = Northern RHA

Y0B = Yorkshire RHA

Y0C = Trent RHA

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Y0D = East Anglian RHA

Y0E = North West Thames RHA

Y0F = North East Thames RHA

Y0G = South East Thames RHA

Y0H = South West Thames RHA

Y0J = Wessex RHA

Y0K = Oxford RHA

Y0L = South Western RHA

Y0M = West Midlands RHA

Y0N = Mersey RHA

Y0P = North Western RHA

Y0Y = Not known

Data cleaning	Not applicable (derived by rule 1145)

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HES field name	**Regional office of residence**
Field	resro
Class	Geographical
Length and format	3an
Availability	From 1996-97

Description

Regional office (RO) of residence (contains the regional health authority of residence prior to 1 April 1996).

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

From 1 April 1999:

Y01 = Northern and Yorkshire

Y02 = Trent

Y07 = West Midlands

Y08 = North West

Y09 = Eastern

Y10 = London

Y11 = South East

Y12 = South West

W00 = Wales

S00 = Scotland

Z00 = Northern Ireland

U00 = England - not otherwise specified

Y00 = Unknown

X00 = Foreign (including the Isle of Man and Channel Islands)

From 1 April 1996 to 31 March 1999:

Y01 = Northern and Yorkshire

Y02 = Trent

Y03 = Anglia and Oxford

Y04 = North Thames

Y05 = South Thames

Y06 = South and West

Y07 = West Midlands

Y08 = North West

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W = Wales

S = Scotland

Z = Northern Ireland

U = England NOS

Y = Not known

X = Foreign

From 1 April 1989 to 31 March 1996:

Y0A = Northern RHA

Y0B = Yorkshire RHA

Y0C = Trent RHA

Y0D = East Anglian RHA

Y0E = North West Thames RHA

Y0F = North East Thames RHA

Y0G = South East Thames RHA

Y0H = South West Thames RHA

Y0J = Wessex RHA

Y0K = Oxford RHA

Y0L = South Western RHA

Y0M = West Midlands RHA

Y0N = Mersey RHA

Y0P = North Western RHA

Y0Y = Not known

Data cleaning	Not applicable - derived by the following rules: Rule 1200

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HES field name	**Rural/Urban Indicator**
Field	rururb_ind
Class	Geographical
Length and format	1n
Availability	

Description

Describes the nature of an Output Area in terms of its morphology (hamlet, town, urban, etc) and context (sparse or less sparse).

Value

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.

2 = Town and Fringe - sparse. Output Area falls within the Small Town and Fringe areas category and the wider surrounding area is sparsely populated.

3 = Village - sparse. Output Area falls within the Village category and the wider surrounding area is sparsely populated.

4 = Hamlet and Isolated dwelling - sparse. Ouput Area fall within the Hamlet & Isolated Dwelling category and the wider surrounding area is sparsely populated.

5 = Urban =>10K - less sparse. Output Area falls within Urban settlements with a population of 10,000 or more and the wider suurounding area is less sparsely populated.

6 = Town and Fringe - less sparse. Output Area falls within the Small Town and Fringe areas category and the wider urrounding area is less sparsely populated.

7 = Village - less sparse. Output Area falls within the Village category and the wider surrounding area is less sparsely populated.

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.

9 = postcode in Scotland/NI/Channel Islands/Isle of Man/pseudopostcodes

Space = No information available

Data cleaning	Data not cleaned

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HES field name	Site code of treatment
Field	sitetret
Class	Geographical
Length and format	5an
Availability	From 1997-98

Description

This field contains a code that defines the site on which the patient was treated within an organisation.

Value

5an = Site code of treatment

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

89997 = Not applicable: non-UK provider

Data cleaning	None

HES field name	Strategic health authority area of treatment
Field	sthatret
Class	Geographical
Length and format	3an
Availability	From 1996-97

Description

This field is derived from the hospital provider code (procode). It indicates the strategic health authority (SHA) area within which the treatment took place.

Value

3an = Strategic health authority of treatment

Y = Unknown

Data cleaning	Not applicable (derived by rule 1145)

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HES field name	**Super output area**
Field	soacode
Class	Geographical
Length and format	10an
Availability	

Description

Super Output Areas are aggregations of Output Areas. There are 3 types of Super Output Area, Lower Layer, Middle Layer, and Upper Layer.

The first character is either E for England or W for Wales.

The next two characters are either 01 for Lower Layer, or 02 for Middle Layer and the remaining six characters make up the unique 6-digit tag for each zone. There are 32,482 Lower Layer Super Output Areas in England

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

There are likely to be approximately 2,000 Upper Layer Super Output Areas in England. For more information about Super Output Areas see the National Statistics website.

Value

10an = Super Output Area

Z99999999 = Not known

Data cleaning	Data not cleaned

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HES field name	**Westminster parliamentary constituency**
Field	pcon
Class	Geographical
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)

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Healthcare Resource Groups

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HES field name	**HRG version n.n (HES generated)**
Field	hrg_n.n
Class	Healthcare Resource Groups
Length and format	3an
Availability	

Description

This HES derived field contains healthcare resource group (HRG) values. HES adds the two most recent versions of HRG codes to records.

For example, a record for 2004-05 will have codes for HRG version 3.1 and HRG version 3.5.

Value

3.1 = Applied HRG code from 1989-90 to 2005-06 inclusive

3.5 = Applied HRG code from 2003-04 onwards

4.0 = Applied HRG code from 2006-07 onwards

null = Not applicable

Data cleaning	Not applicable

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HES field name	**Trust derived dominant procedure**
Field	domproc
Class	Healthcare Resource Groups
Length and format	4an, - or &
Availability	2001-02 to 2008-09

Description

Contains the dominant procedure (operation) code assigned as part of the (NHS) HRG derivation process and submitted to SUS.

Value

4an = Procedure code

- = no operation performed

& = Not known

Data cleaning	Rule 570

HES field name	**Trust derived HRG value**
Field	hrgnhs
Class	Healthcare Resource Groups
Length and format	3an
Availability	2001-02 to 2008-09

Description

The Trust derived HRG value as submitted to SUS takes into account the dominant grouping procedure (domproc) and may differ from the HES derived HRG (HRG_n.n).

Value

3an = Trust derived HRG value

Data cleaning	Not applicable

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HES field name	SUS generated HRG
Field	sushrg
Class	Healthcare Resource Groups
Length and format	5an
Availability	From 2009-10

Description

The SUS PbR derived healthcare resource group (HRG) code (HRG4 from 2009-10) at Episode level.

Value

5an = SUS generated HRG

Null = Null = Records that have excluded from PbR in SUS as the activity is outside the scope of PbR

Data cleaning	Not applicable

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HES field name	**SUS generated core spell HRG**
Field	suscorehrg
Class	Healthcare Resource Groups
Length and format	5an
Availability	From 2009-10

Description

The SUS PbR derived healthcare resource group (HRG) code (HRG4 from 2009-10) at Spell level.

Analysing this field by episode in HES could lead to over-counting.

Value

5an = SUS generated Core Spell HRG

Null = Spells that have excluded from PbR in SUS as the activity is outside the scope of PbR

Data cleaning	Not applicable

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HES field name	**SUS generated HRG version number**
Field	sushrgvers
Class	Healthcare Resource Groups
Length and format	3an
Availability	From 2009-10

Description

The version number for the SUS generated HRG code (sushrg).

Value

4.0 = HRG4

null = Not applicable

Data cleaning	Not applicable

HES field name	**Version no. of Trust derived HRG**
Field	hrgnhsvn
Class	Healthcare Resource Groups
Length and format	3an
Availability	2001-02 to 2008-09

Description

The version number for the Trust derived HRG value (hrgnhs).

Value

3an = Version no. of Trust derived HRG

Data cleaning	Not applicable

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Maternity

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HES field name	**Anaesthetic given during labour or delivery**
Field	delpren
Class	Maternity
Length and format	1n
Availability	

Description

This field contains a code which defines the anaesthetic or analgesic administered before and during labour and delivery.

Value

1 = General anaesthetic: the administration by a doctor of an agent to produce unconsciousness

2 = Epidural or caudal anaesthetic: the injection of a local anaesthetic into the epidural space

3 = Spinal anaesthetic: the injection of a local anaesthetic agent into the subarachnoid space

4 = General anaesthetic and epidural or caudal anaesthetic

5 = General anaesthetic and spinal anaesthetic

6 = Epidural or caudal, and spinal anaesthetic

7 = Other than 1 to 6

8 = Not applicable

9 = Not known

null = Not applicable (from 1990-91 to 1994-95)

Data cleaning	Rule 730

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HES field name	**Anaesthetic given post-labour or delivery**
Field	delposn
Class	Maternity
Length and format	1n
Availability	

Description

This field contains a code which defines the anaesthetic or analgesic administered after delivery.

Value

1 = General anaesthetic: the administration by a doctor of an agent to produce unconsciousness

2 = Epidural or caudal anaesthetic: the injection of a local anaesthetic into the epidural space

3 = Spinal anaesthetic: the injection of a local anaesthetic agent into the subarachnoid space

4 = General anaesthetic and epidural or caudal anaesthetic

5 = General anaesthetic and spinal anaesthetic

6 = Epidural or caudal, and spinal anaesthetic

7 = Other than 1 to 6

8 = Not applicable

9 = Not known

null = Not applicable (from 1990-91 to 1994-95)

Data cleaning	Rule 730

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HES field name	**Antenatal days of stay**
Field	antedur
Class	Maternity
Length and format	3n
Availability	

Description
This derived field contains the number of days between the start of the episode (epistart) and the date of delivery of the first baby (dobbaby).

Value
3n = The number of days of stay from 0 to 270 null = Not applicable / not known

Data cleaning	Not applicable (derived by rule 800)

HES field name	**Baby sequence number**
Field	babyseq
Class	Maternity
Length and format	1n
Availability	

Description
Birth sequence.

Value
1n = birth sequence

Data cleaning	None

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HES field name	**Baby's age in days**
Field	neodur
Class	Maternity
Length and format	2n
Availability	

Description

This field contains the age in days of a baby admitted as a patient. It is derived from admission date (admidate) and date of birth (dob). If the baby is older than 27 days, neodur is not calculated.

Value

2n = Age of patient in days from 0 to 27

null = Not applicable: other maternity event (epitype is 5 or 6) or baby is older than 27 days

Data cleaning	Not applicable

HES field name	**Birth date (baby)**
Field	dobbaby
Class	Maternity
Length and format	dd/mmyyyy (Date)
Availability	

Description

Baby's date of birth. This item appears for each baby on multiple birth delivery records. The Birth date - baby (dobbaby) field contains sensitive data.

Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

dd/mm/yyyy = Date of birth

Data cleaning	Rule 670

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HES field name	**Birth order**
Field	birorder
Class	Maternity
Length and format	1n or X
Availability	

Description

The position in the sequence of births. This item appears for each baby on multiple birth delivery records.

From 1996-97 the same value (1) is used for a single birth or the first born of several. Up until March 2002, only the first six births were recorded.

Value

1 = First, including single, birth

2 = Second

3 = Third

4 = Fourth

5 = Fifth

6 = Sixth

7 = Seventh

8 = Not applicable

9 = Not known: a validation error

X = Not known

Data cleaning	Rule 720

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HES field name	**Birth weight**
Field	Birweit
Class	Maternity
Length and format	4n
Availability	

Description
This field contains the weight of the baby in grams immediately after birth. This item appears for each baby on multiple birth delivery records.

Value
4n = Weight in grams from 0001 to 6999
7000 = 7000g or more
9999 = Not known

Data cleaning	Rules 740 and 760

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HES field name	**Delivery place change reason**
Field	delchang
Class	Maternity
Length and format	1n
Availability	

Description

This field contains a code that defines the reason for changing the delivery place type.

Value

1 = Decision made during pregnancy because the patient's address changed

2 = Decision made during pregnancy for clinical reasons

3 = Decision made during pregnancy for other reasons

4 = Decision made during labour for clinical reasons

5 = Decision made during labour for other reasons

6 = Occurred unintentionally during labour

8 = Not applicable: there was no change

9 = Not known

null = No change (before 1995-96)

Data cleaning	Rules 710 and 750

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HES field name	**Delivery method**
Field	delmeth
Class	Maternity
Length and format	1n or X
Availability	

Description

This field contains a code which defines the method used to deliver a baby that is a registrable birth.

The code is obtained from the ICD classification for delivery method. This item appears for each baby on multiple birth delivery records.

Value

0 = Spontaneous vertex (normal vaginal delivery, occipitoanterior)

1 = Spontaneous other cephalic (cephalic vaginal delivery with abnormal presentation of head at delivery, without instruments, with or without manipulation)

2 = Low forceps, not breech, including forceps delivery not otherwise specified (forceps, low application, without manipulation)

3 = Other forceps, not breech, including high forceps and mid forceps (forceps with manipulation)

4 = Ventouse, vacuum extraction

5 = Breech, including partial breech extraction (spontaneous delivery assisted or unspecified)

6 = Breech extraction not otherwise specified, including total breech extraction and version with breech extraction

7 = Elective caesarean section (caesarean section before or at the onset of labour)

8 = Emergency caesarean section

9 = Other than those specified above, including destructive operation to facilitate delivery, and other surgical or instrumental delivery, for example, application of weight to leg in breech delivery

null = Not applicable (from 1990-91 to 1994-95)

x = Not known (from 1996-97 onwards)

Data cleaning	Rules 710 and 753

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HES field name	**Delivery method derived**
Field	delmethd
Class	Maternity
Length and format	2n
Availability	From 2008-09 onwards

Description

A derived field providing delivery method from OPCS 3- or 4-character (where applicable) main operation codes.

Value

01 = Elective caesarean delivery

02 = Other/Emergency caesarean delivery

03 = Breech Extraction delivery

04 = Other Breech delivery

05 = Low Forceps cephalic delivery

06 = Other Forceps Delivery

07 = Ventouse (vacuum) delivery

08 = Spontaneous other delivery

09 = Normal delivery (spontaneous vertex)

10 = Other methods of delivery

X = Unknown delivery method

Data cleaning	Not applicable (derived by rule 0765)

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HES field name	**Delivery place (actual)**
Field	Delplace
Class	Maternity
Length and format	1n
Availability	

Description

This field contains a code which defines the actual type of delivery place (The intended delivery place is in delintn).

This item appears for each baby on multiple birth delivery records.

Value

0 = In NHS hospital: delivery facilities associated with midwife ward

1 = At a domestic address

2 = In NHS hospital: delivery facilities associated with consultant ward

3 = In NHS hospital: delivery facilities associated with GMP ward

4 = In NHS hospital: delivery facilities associated with consultant, GMP or midwife ward, or any combination of two of these

5 = In private hospital

6 = In other hospital or institution

7 = In NHS hospital: ward or unit without delivery facilities

8 = Other than those above

9 = Not known

Data cleaning	Rules 710 and 753

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HES field name	**Delivery place (intended)**
Field	delinten
Class	Maternity
Length and format	1n
Availability	

Description

This field contains a code which defines the intended type of delivery place. The initial intention is designated by the General Medical Practitioner (GMP) and midwife, or by the GMP and hospital staff.

The decision is normally made when the mother is assessed for delivery. The actual delivery place type is in delplac.

Value

0 = In NHS hospital: delivery facilities associated with midwife ward

1 = At a domestic address

2 = In NHS hospital: delivery facilities associated with consultant ward

3 = In NHS hospital: delivery facilities associated with GMP ward

4 = In NHS hospital: delivery facilities associated with consultant and GMP ward

5 = In private hospital

6 = In other hospital or institution

7 = In NHS hospital: ward or unit without delivery facilities

8 = Other than those above

9 = Not known

null = Not applicable (from 1990-91 to 1995-96)

Data cleaning	Rules 710 and 750

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HES field name	First antenatal assessment date
Field	anasdate
Class	Maternity
Length and format	dd/mm/yyyy (Date)
Availability	

Description

This field contains the date when a pregnant woman was first assessed and arrangements were made for antenatal care.

This is not necessarily the date when delivery arrangements were made.

Value

dd/mm/yyyy = Date of first antenatal assessment

null = Not applicable / not known

Data cleaning	None

HES field name	Gestation period in weeks at first antenatal assessment
Field	anagest
Class	Maternity
Length and format	2nn
Availability	

Description

Gestation period in weeks at the date of the first antenatal assessment. This field is calculated from anadate, gestat and the dobbaby.

Value

2n = The gestation period in weeks

null = Not valid / not known

Data cleaning	Not applicable (derived by rule 790)

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HES field name	**Length of gestation**
Field	gestat
Class	Maternity
Length and format	2n
Availability	

Description

The fields contain the number of completed weeks of gestation according to the World Health Organization definition, which specifies time from the first day of the last menstrual period. If this date is not reliable, an estimate is provided.

This item appears for each baby on multiple birth delivery records.

Value

2n = Number of weeks in the range 10 to 49

99 = Not known: a validation error

Data cleaning	Rules 710 and 753

HES field name	**Birth status**
Field	birstat
Class	Maternity
Length and format	1n
Availability	

Description

This field contains a code which indicates whether the baby was born alive or dead (still birth). A still birth is a birth after a gestation period of 24 weeks (168) days where the baby shows no sign of life when delivered.

This item appears for each baby on multiple birth delivery records.

Value

1 = Live

2 = Still birth: ante-partum

3 = Still birth: intra-partum

4 = Still birth: indeterminate

9 = Not known

Data cleaning	Rules 710 and 753

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HES field name	**Labour / delivery onset method**
Field	delonset
Class	Maternity
Length and format	1n
Availability	

Description

This field contains a code which defines the method used to induce (initiate) labour, rather than to accelerate it.

Value

1 = Spontaneous: the onset of regular contractions whether or not preceded by spontaneous rupture of the membranes

2 = Any caesarean section carried out immediately following the onset of labour, when the decision was made before labour

3 = Surgical induction by amniotomy

4 = Medical induction, including the administration of agents either orally, intravenously or intravaginally with the intention of initiating labour

5 = Combination of surgical induction and medical induction

8 = Not applicable (from 1996-97 onwards)

9 = Not known: validation error

null = Not applicable (from 1990-91 to 1994-95)

Data cleaning	Rules 710 and 750

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HES field name	**Mother's age at delivery**
Field	matage
Class	Maternity
Length and format	3n
Availability	

Description
This field contains the mother's age in whole years on the date of delivery. It is calculated from the mother's date of birth and the first baby's date of birth.

Value
3n = Age in years null = Not valid

Data cleaning	Not applicable (derived by rule 810)

HES field name	**Mother's date of birth**
Field	motdob
Class	Maternity
Length and format	dd/mm/yyyy (Date)
Availability	

Description
This field contains the mother's date of birth. It appears on birth records. The Mother's date of birth (motdob) field contains sensitive data. Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value
dd/mm/yyyy = Mother's date of birth

Data cleaning	Rule 690

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HES field name	**Mother's data of birth check flag**
Field	motdob_cfl
Class	Maternity
Length and format	1n
Availability	

Description
Codes in this field validate the mother's date of birth (motdob).

Value
0 = Valid
1 = Missing
2 = Invalid

Data cleaning	Not applicable

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HES field name	**Neonatel level of care**
Field	neocare
Class	Maternity
Length and format	1n
Availability	From 1996-97

Description

This field contains a code that defines the level of care given to a new born child. (Along with psychiatric patient status (admistat), this field replaces the V code indicator (vind).)

Value

0 = Normal care: care given by the mother or mother substitute, with medical and neonatal nursing advice if needed

1 = Special care: care given in a special nursery, transitional care ward or postnatal ward, which provides care and treatment exceeding normal routine care. Some aspects of special care can be undertaken by a mother supervised by qualified nursing staff. Special nursing care includes support for and education of the infant's parents

2 = Level 2 intensive care (high dependency intensive care): care given in an intensive or special care nursery, which provides continuous skilled supervision by qualified and specially trained nursing staff who may care for more babies than in level 1 intensive care. Care includes support for the infant's parents

3 = Level 1 intensive care (maximal intensive care): care given in an intensive or special care nursery, which provides continuous skilled supervision by qualified and specially trained nursing and medical staff. Care includes support for the infant's parents

8 = Not applicable: the episode of care does not involve a neonate at any time

9 = Not known: the episode of care involves a neonate and is finished but no data has been entered
this constitutes a validation error. Alternatively the episode involves a neonate but is unfinished, therefore no data need be present

Data cleaning	Rules 360 and 370

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HES field name	**Number of babies**
Field	numbaby
Class	Maternity
Length and format	1n or X
Availability	

Description

This field contains the number of babies delivered at the end of a single pregnancy. Both live and stillborn babies are counted. Until 2002-03, a maximum of 6 babies could be recorded in HES.

Value

1 = One

2 = Two

3 = Three

4 = Four

5 = Five

6 = Six or more

9 = Not known: a validation error

X = Not known

Data cleaning	Rules 710 and 750

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HES field name	**Number of baby tails**
Field	numtailb
Class	Maternity
Length and format	1n
Availability	

Description
This is the number of valid baby groups on the episode record. A valid baby group is defined as one which has a valid birthweight and a valid delivery method. This field defaults to 1.

Value
1n = Number of valid births associated with the episode record

Data cleaning	Rule 770

HES field name	**Number of previous pregnancies**
Field	numpreg
Class	Maternity
Length and format	2n
Availability	

Description
This field contains the number of previous pregnancies that resulted in a registrable birth (live or still born). It appears on delivery records. In practice, numpreg1 has often been filled with the 'Not known' code, and the remainder have been left blank.

Value
2n = Number of previous pregnancies, from 00 to 19, resulting in a registrable birth 99 = Not known

Data cleaning	Rule 750

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HES field name	**Postnatal stay**
Field	postdur
Class	Maternity
Length and format	3n
Availability	

Description
This derived field contains the number of days between the baby's birth and the end of the finished episode. It is calculated from episode end date (epiend) and the first baby's date of birth (dobbaby).

Value
3n = The number of days of stay, from 0 to 270
null = Not applicable / not known

Data cleaning	Not applicable (derived by rule 820)

HES field name	**Resuscitation method**
Field	biresus
Class	Maternity
Length and format	1n
Availability	

Description
This field contains a code that identifies the method used to get the baby breathing normally. This item appears for each baby on multiple birth delivery records.

Value
1 = Positive pressure nil, drugs nil
2 = Positive pressure nil, drugs administered
3 = Positive pressure by mask, drugs nil
4 = Positive pressure by mask, drugs administered
5 = Positive pressure by endotracheal tube, drugs nil
6 = Positive pressure by endotracheal tube, drugs administered
8 = Not applicable: still born and no method of resuscitation attempted
9 = Not known

Data cleaning	Rules 710 and 753

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HES field name	**Sex of baby**
Field	sexbaby
Class	Maternity
Length and format	1n
Availability	

Description
This field contains a code that defines the sex of the baby. This item appears for each baby on multiple birth delivery records.

Value
From 1996-97: 1 = Male 2 = Female 9 = Not specified 0 = Not known Up to 1996-97: 1 = Male 2 = Female 3 = Indeterminate, including those undergoing sex change operations

Data cleaning	None

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HES field name	**Status of person conducting delivery**
Field	delstat
Class	Maternity
Length and format	1n
Availability	

Description

This field normally provides the status of the person conducting the delivery. When a student delivers the baby, the code of the supervisor should be given.

This item appears for each baby on multiple birth delivery records.

Value

1 = Hospital doctor

2 = General practitioner

3 = Midwife

8 = Other than above

9 = Not known: validation error

Data cleaning	Rules 710 and 753

HES field name	**Well baby flag**
Field	well_baby_ind
Class	Maternity
Length and format	1a
Availability	All years

Description

Codes in this field indicate whether the episode relates to a well baby (a neonate receiving normal levels of care, usually given by a mother or mother substitute).

Note: This field was formerly known as ‘Well Baby Check Flag’.

Value

Y = Well baby episode

N = Any other episode

Data cleaning	Not applicable

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Organisation

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HES field name	**Commissioner code**
Field	purcode
Class	Organisation
Length and format	5an
Availability	

Description

This field contains a code for the organisation commissioning the patient's treatment. There are six main types of purchaser, the prevalence of each being dependent on the data year:

1. Health authorities
2. GP fund holders
3. Primary care groups
4. Primary care trusts
5. Private patients
6. Department of Health - the Department purchases treatment for patients from abroad (either under EU regulations or other reciprocal agreements) and for certain UK residents whose treatment is centrally financed, notably those treated by Special Health Authorities.

Value

Not available

Data cleaning	Rule 340

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HES field name	**Commissioner code status**
Field	purval
Class	Organisation
Length and format	1n
Availability	From 1995-96

Description

A derived field that indicates whether the purchaser code (purcode) is one that is recognised throughout the NHS.

If not, the code may have been agreed locally between the hospital provider and the health care purchaser.

Value

0 = Purchaser code is not recognised throughout the NHS

1 = Purchaser code is recognised throughout the NHS

Data cleaning	Not applicable (derived by rule 1150)

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HES field name	**Commissioner's regional office**
Field	purro
Class	Organisation
Length and format	5an
Availability	From 1995-96 to 2001-02

Description

This field contains a code which identifies the Regional Office (RO) in which the purchaser is located. It is derived from the purcode field.

The current codes include those used in 1995-96 and those used subsequently. There were alterations to the codes from April 1996 and April 1999 to reflect changes in the regional organisation.

Value

From 1999-2000 to 2001-2002:

S or S0000 = Scotland
W or W0000 = Wales
Y01 = Northern and Yorkshire
Y02 = Trent
Y07 = West Midlands
Y08 = North West
Y09 = Eastern
Y10 = London
Y11 = South East
Y12 = South West
Z or Z0000 = Northern Ireland
null = Not known

From 1996-97 to 1998-99:

S or S0000 = Scotland
W or W0000 = Wales
Y01 = Northern and Yorkshire
Y02 = Trent
Y03 = Anglia and Oxford
Y04 = North Thames
Y05 = South Thames
Y06 = South and West
Y07 = West Midlands
Y08 = North West
Z or Z0000 = Northern Ireland
null = Not known
9999 = Not known

1995-96:

A0000 = Northern
B0000 = Yorkshire
C0000 = Trent
D0000 = East Anglia
E0000 = North West Thames

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F0000 = North East Thames
G0000 = South East Thames
H0000 = South West Thames
J0000 = Wessex
K0000 = South Western
M0000 = West Midlands
N0000 = Mersey
P0000 = North Western
Z or Z0000 = Northern Ireland
null = Not known
9999 = Not known

Data cleaning	Not applicable (derived by rule 1150)

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HES field name	Commissioner's strategic health authority
Field	purstha
Class	Organisation
Length and format	3an
Availability	From 2002-03

Description

This field contains a code which identifies the strategic health authority (SHA) in which the commisioner is located. It is derived from the purcode field.

Value

3an = Commissioner's strategic health authority

S = Scotland

X = Foreign (including Isle of Man and Channel Islands)

Y = Unknown

Z = Northen Ireland

Data cleaning	Not applicable (derived by rule 1155)

HES field name	Commissioning serial number
Field	csnum
Class	Organisation
Length and format	6an
Availability	From 2000-01

Description

Contains the commissioning serial number (used in HES to identify OATs - out of area treatments). This is a number used to uniquely identify a NHS service agreement by an organisation acting as commissioner of patient care services.

Value

Not available

Data cleaning	Data not cleaned

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HES field name	**Health authority area where patient's GP was registered**
Field	gppracha
Class	Organisation
Length and format	3an
Availability	

Description

Provides the health authority area in which the patient's GP is registered.

Value

aaa or aan = Health authority where patient's GP was registered

Y = Unknown

Data cleaning	Not applicable (derived by rule 1110)

HES field name	**Primary care group**
Field	pcgcode
Class	Organisation
Length and format	5an
Availability	From 1999-00 to 2001-02

Description

A derived field providing the primary care group responsible for the patient.

Value

Not available

Data cleaning	Not applicable (derived by rule 1160)

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HES field name	**Primary care trust area where patient's GP was registered**
Field	gpprpct
Class	Organisation
Length and format	3an
Availability	From 1997-98

Description

This field gives details of the primary care trust area in which the patient's GP is registered.

Value

nan, naa or aaa = Primary care trust where patient's GP was registered

59898 = Not applicable

59999 = Unknown

Data cleaning	Not applicable (derived by rule 1125)

HES field name	**Primary care trust of responsibility**
Field	pctcode
Class	Organisation
Length and format	3an
Availability	From 1997-98 to 2005-06

Description

A derived field providing the primary care trust responsible for the patient. Commissioning responsibility for individual patients rests with the primary care trust (PCT) with whom the patient is registered.

This means that patients with a GP in one PCT area may reside in a neighbouring or other area but remain the responsibility of the PCT with whom their GP of registration is associated.

PCTs are also responsible for non-registered patients who are resident within their boundaries.

Value

nan, naa or aaa = Primary care trust

59898 = Not applicable

59999 = Unknown

Data cleaning	Not applicable (derived by rule 1160)

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HES field name	**Primary care trust of responsibility - historic**
Field	pctcode02
Class	Organisation
Length and format	3an
Availability	From 2006-07

Description

A derived field providing the primary care trust responsible for the patient. Commissioning responsibility for individual patients rests with the primary care trust (PCT) with whom the patient is registered.

This means that patients with a GP in one PCT area may reside in a neighbouring or other area but remain the responsibility of the PCT with whom their GP of registration is associated.

PCTs are also responsible for non-registered patients who are resident within their boundaries.

Value

nan, naa or aaa = Primary care trust

59898 = Not applicable

59999 = Unknown

Data cleaning	Not applicable (derived by rule 1160)

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HES field name	**Primary care trust of responsibility - current**
Field	pctcode06
Class	Organisation
Length and format	3an
Availability	From 2006-07

Description

A derived field providing the primary care trust responsible for the patient. Commissioning responsibility for individual patients rests with the primary care trust (PCT) with whom the patient is registered.

This means that patients with a GP in one PCT area may reside in a neighbouring or other area but remain the responsibility of the PCT with whom their GP of registration is associated.

PCTs are also responsible for non-registered patients who are resident within their boundaries.

Value

nan, naa or aaa = Primary care trust

59898 = Not applicable

59999 = Unknown

Data cleaning	Not applicable (derived by rule 1160)

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HES field name	**Provider code**
Field	procodet
Class	Organisation
Length and format	5an
Availability	

Description

This field gives a combination of 3-character and 5-character provider codes.

Procodet enables you to view a combined list of codes, and related data, from:

1. Primary care trusts (3 character, beginning with 5)

2. NHS trusts (3 character, beginning with R. Trusts with associated treatment centres will have an '- X' following their code)

3. NHS trust treatment centres (5 character
listed separately to the NHS trusts)

4. Independent providers (5 character, beginning with 8)

5. Independent sector healthcare providers (5 character, beginning with N)

For 3-character codes only see procode (provider code - 3 character) and for 5-character codes only see procode (provider code).

Value

5an = Provider code

Data cleaning

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HES field name	**Provider code - 3 character**
Field	procode3
Class	Organisation
Length and format	3an
Availability	

Description

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

The code is managed by the National Administrative Codes Service (NACS) and supports the identification of organisations exchanging information within the NHS.

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

HES field name	**Provider code - 5 character**
Field	procode
Class	Organisation
Length and format	5an
Availability	

Description

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

The code is managed by the National Administrative Codes Service (NACS) and supports the identification of organisations exchanging information within the NHS.

Procode contains the complete NHS provider code (ie organisation code plus site code).

Value

5an = 5-character provider code

89997 = Non-UK provider where no organisation code has been issued

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

Data cleaning

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HES field name	**Provider type**
Field	protype
Class	Organisation
Length and format	Various
Availability	

Description
Healthcare provider type.

Value
Caretrust = Care trust
Foundation = NHS foundation trust
Ind = Independent sector provider
Indsite = Independent sector provider site
Indsitetc = Treatment centre at independent sector provider site
Otherprov = Other provider organisation
PCT = Primary care trust
Trust = NHS trust
Trustsitetc = Treatment centre at NHS trust site

Data cleaning	Not applicable (derived from reference data)

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HES field name	**Regional office area where patient's GP was registered**
Field	gppracro
Class	Organisation
Length and format	3an
Availability	From 2002-03

Description

Provides the Regional Office area in which the patient's GP is registered.

Value

Y01 = Northern and Yorkshire Regional Office

Y02 = Trent Regional Office

Y07 = West Midlands Regional Office

Y08 = North West Regional Office

Y09 = Eastern Regional Office

Y10 = London Regional Office

Y11 = South East Regional Office

Y12 = South West Regional Office

Y00 = Unknown

Data cleaning	Not applicable (derived by rule 1120)

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HES field name	**Strategic health authority area where patient's GP was registered**
Field	gpprstha
Class	Organisation
Length and format	3an
Availability	From 1997-98

Description

This field gives the stategic health authority (SHA) area in which the patient's GP is registered.

Value

3an = Strategic health authority

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	Not applicable (derived by rule 1125)

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Patient

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HES field name	**Administrative & legal status of patient**
Field	category
Class	Patient
Length and format	2n
Availability	Until 31 March 2002

Description

Many NHS hospitals have private wards where private patients may use the accommodation and services of the hospital provider.

Some hospitals also provide amenity beds, usually located in small side wards for which a charge is made for the accommodation.

Both of these categories of patient are defined by the NHS Act of 1977. Any categories of patient, whether NHS, private or amenity patients, can be formally detained under the provisions of the Mental Health Act 1983 and other legislation.

Most patients in NHS hospitals or hospital units will come under category 10 (see below).

Value

10 = NHS patient: not formally detained

11 = NHS patient: formally detained under Part II of the Mental Health Act 1983

12 = NHS patient: formally detained under Part III of the Mental Health Act 1983 or under other Acts

13 = NHS patient: formally detained under part X, Mental Health Act 1983*

20 = Private patient: not formally detained

21 = Private patient: formally detained under Part II of the Mental Health Act 1983

22 = Private patient: formally detained under Part III of the Mental Health Act 1983 or under other Acts

23 = Private patient: formally detained under part X, Mental health Act 1983*

30 = Amenity patient: not formally detained

31 = Amenity patient: formally detained under Part II of the Mental Health Act 1983

32 = Amenity patient: formally detained under Part III of the Mental Health Act 1983 or under other Acts

33 = Amenity patient: formally detained under part X, Mental health Act 1983*

null = Other maternity event.

* Codes 13, 23 and 33 were introduced at the start of the 1994-95 HES year (1 April 1995)

Data cleaning	Not applicable (derived by the Secondary Uses Service from Administrative category and Legal Status Classification)

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HES field name	**Administrative category**
Field	admincat
Class	Patient
Length and format	2n
Availability	From 2000-01

Description

Administrative category on admission.

Value

01 = NHS patient, including overseas visitors charged under Section 121 of the NHS Act 1977 as amended by Section 7(12) and (14) of the Health and Medicine Act 1988

02 = Private patient: one who uses accommodation or services authorised under section 65 and/or 66 of the NHS Act 1977 (Section 7(10) of Health and Medicine Act 1988 refers) as amended by Section 26 of the National Health Service and Community Care Act 1990

03 = Amenity patient: one who pays for the use of a single room or small ward in accord with section 12 of the NHS Act 1977, as amended by section 7(12) and (14) of the Health and Medicine Act 1988

04 = A category II patient: one for whom work is undertaken by hospital medical or dental staff within categories II as defined in paragraph 37 of the Terms and Conditions of Service of Hospital Medical and Dental Staff

98 = Not applicable

99 = Not known

Data cleaning	Rule 125 (from 2002-03 onwards)

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HES field name	**Admin category at start of episode**
Field	admincatst
Class	Patient
Length and format	2an
Availability	2007-08, Quarter 3 onwards

Description

The patient's administrative category at the start of each episode of care.

This may change during a spell as the patient may, for example, opt to change from NHS to private health care.

Value

01 = NHS patient

02 = Private patient

03 = Amenity patient

04 = Category II patient

98 = Not applicable

99 = Not known: a validation error

Data cleaning	Data not cleaned

HES field name	**Admission episode flag**
Field	admiflag
Class	Patient
Length and format	1a
Availability	

Description

-

Value

Y = Episode is an admission episode, ie episode order equals 1

N = Episode is not an admission episode

Data cleaning	None

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HES field name	**Age at activity date**
Field	activage
Class	Patient
Length and format	3n
Availability	2007-08, Quarter 3 onwards

Description
The patient's age, in years, at the time of activity, such as admission, discharge or birth.

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

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HES field name	**Age at end of episode**
Field	endage
Class	Patient
Length and format	4n
Availability	

Description

This derived field contains the patient's age in whole years at the end of a finished episode (from 1 to 115 (1990-91 to 1994-95) and from 1 to 120 (1995-96 onwards).

It is calculated from the episode end date (epiend) and the patient's date of birth (dob).

This field is only provided for finished episodes (episode status - epistat - is 3) and for general, delivery or birth records (episode type - epitype - is 1, 2 or 3).

For patients under one year old, special codes apply.

Value

7001 = Less than 1 day

7002 = 1 to 6 days

7003 = 7 to 28 days

7004 = 29 to 90 days (under 3 months)

7005 = 91 to 181 days (approximately 3 months to under 6 months)

7006 = 182 to 272 days (approximately 6 months to under 9 months)

7007 = 273 to 364 days (approximately 9 months to under 1 year)

null = Not applicable (other maternity event or not known)

Data cleaning	Not applicable (derived by rule 280)

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HES field name	**Age at start of episode**
Field	startage
Class	Patient
Length and format	4n
Availability	

Description

This derived field, calculated from episode start date (epistart) and date of birth (dob), contains the patient's age in whole years (From 1 to 115 (1990-91 to 1994-95) and from 1 to 120 (1995-96 onwards)).

For patients under 1 year old, special codes in the range 7001 to 7007 apply.

Value

7001 = Less than 1 day

7002 = 1 to 6 days

7003 = 7 to 28 days

7004 = 29 to 90 days (under 3 months)

7005 = 91 to 181 days (approximately 3 months to under 6 months)

7006 = 182 to 272 days (approximately 6 months to under 9 months)

7007 = 273 to 364 days (approximately 9 months to under 1 year)

null = Not applicable (other maternity event or not known)

Data cleaning	Not applicable (derived by rule 290)

HES field name	**Age on admission**
Field	Admiage
Class	Patient
Length and format	3n
Availability	2007-08, Quarter 3 onwards

Description

A patient's age, in years, at the date of admission.

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

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HES field name	**Age of baby in days**
Field	neodur
Class	Patient
Length and format	2n
Availability	

Description
This field contains the age in days of a baby admitted as a patient. It is derived from admission date (admidate) and date of birth (dob). If the baby is older than 27 days, neodur is not calculated.

Value
2n = Age of patient in days from 0 to 27 null = Not applicable: other maternity event (epitype is 5 or 6) or baby is older than 27 days

Data cleaning	Not applicable (derived by rule 300)

HES field name	**Date of birth - patient**
Field	dob
Class	Patient
Length and format	dd/mm/yyyy (Date)
Availability	

Description
This field contains the patient's date of birth. For most enquiries the field startage (age at start of episode) is used. The Date or birth - patient (dob) field contains sensitive data. Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value
dd/mm/yyyy = Patient's date of birth

Data cleaning	Rule 20

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HES field name	**Date of birth check flag - patient**
Field	dob_cfl
Class	Patient
Length and format	1n
Availability	

Description
Validation of patient's date of birth.

Value
0 = Valid (or missing because not required)
1 = Missing
2 = Invalid

Data cleaning	Not applicable (derived by rule 20)

HES field name	**Discharge episode flag**
Field	disflag
Class	Patient
Length and format	1a
Availability	

Description

Value
Y = Episode is a discharge episode, ie discharge method is 1-5
N = Episode is not a discharge episode

Data cleaning	None

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HES field name	Ethnic category
Field	ethnos
Class	Patient
Length and format	1n or X
Availability	

Description

This field contains a code that specifies some ethnic groups and some nationalities. It was introduced from the 1995-96 data year.

From April 2001 the codes were changed to conform to the 2001 census classification. However, HES continued to accept the old codes as well as the new codes for the 2001-02 and 2002-03 data years.

Ethnic Category has been mandatory for Admitted Patient Care Commissioning Dataset central returns since 1995. However birth episodes, and other CDS types have been optional.

From April 2009 Ethnic Category will be mandatory for all CDS types. I.e. to include: birth episodes; unfinished birth episodes; other birth event types; Out Patient CDSs and Accident and Emergency CDSs.

Note: 'Z – not stated' means that the person had been asked and had declined either refusing to provide this information, or a genuine inablility to choose. 'X – Not known' means that the person has not been asked or the patient was not in a condition to be asked. E.g. unconscious.

Value

From 2001-02 onwards:

A = British (White)

B = Irish (White)

C = Any other White background

D = White and Black Caribbean (Mixed)

E = White and Black African (Mixed)

F = White and Asian (Mixed)

G = Any other Mixed background

H = Indian (Asian or Asian British)

J = Pakistani (Asian or Asian British)

K = Bangladeshi (Asian or Asian British)

L = Any other Asian background

M = Caribbean (Black or Black British)

N = African (Black or Black British)

P = Any other Black background

R = Chinese (other ethnic group)

S = Any other ethnic group

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Z = Not stated

X = Not known

From 1995-96 to 2000-01:

0= White

1 = Black - Caribbean

2 = Black - African

3 = Black - Other

4 = Indian

5 = Pakistani

6 = Bangladeshi

7 = Chinese

8 = Any other ethnic group

9 = Not given

X = Not known

Data cleaning	Rule 10

HES field name	**Finished consultant episode flag**
Field	fceflag
Class	Patient
Length and format	1a
Availability	

Description

-

Value

Y = Episode is finished, ie episode status equals 3

N = Episode status is not equal to 3

Data cleaning	None

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HES field name	**In year flag**
Field	inyrflag
Class	Patient
Length and format	1a
Availability	

Description

-

Value

Y = Admitted within the HES year

N = Not admitted within the year

Data cleaning	None

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HES field name	**Legal category of patient**
Field	leglcat
Class	Patient
Length and format	2n
Availability	From 2000-01

Description

The legal category of all formally and informally detained patients on admission. An informally detained patient is one who is not formally detained, but has been in hospital for a year or more in the care of a consultant in the psychiatric specialties.

This item is required for all admissions to psychiatric specialties. The Legal category of patient (lelcat) field contains sensitive data.

Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

01 = Informal

02 = Formally detained under the Mental Health Act, Section 2

03 = Formally detained under the Mental Health Act, Section 3

04 = Formally detained under the Mental Health Act, Section 4

05 = Formally detained under the Mental Health Act, Section 5(2)

06 = Formally detained under the Mental Health Act, Section 5(4)

07 = Formally detained under the Mental Health Act, Section 35

08 = Formally detained under the Mental Health Act, Section 36

09 = Formally detained under the Mental Health Act, Section 37 with Section 41 restrictions

10 = Formally detained under the Mental Health Act, Section 37 excluding Section 37(4)

11 = Formally detained under the Mental Health Act, Section 37(4)

12 = Formally detained under the Mental Health Act, Section 38

13 = Formally detained under the Mental Health Act, Section 44

14 = Formally detained under the Mental Health Act, Section 46

15 = Formally detained under the Mental Health Act, Section 47 with Section 49 restrictions

16 = Formally detained under the Mental Health Act, Section 47

17 = Formally detained under the Mental Health Act, Section 48 with Section 49 restrictions

18 = Formally detained under the Mental Health Act, Section 48

19 = Formally detained under the Mental Health Act, Section 135

20 = Formally detained under the Mental Health Act, Section 136

21 = Formally detained under the previous legislation (fifth schedule)

22 = Formally detained under Criminal Procedure (Insanity) Act 1964 as amended by the Criminal Procedures (Insanity and Unfitness to Plead) Act 1991

23 = Formally detained under other Acts

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24 = Supervised discharge under the Mental Health (Patients in the Community) Act 1995

25 = Formally detained under the Mental Health Act, Section 45A

26 = Not applicable

27 = Not known

Data cleaning	None

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HES field name	**Legal status classification code at start of episode**
Field	leglstatst
Class	Patient
Length and format	2an
Availability	2007-08, Quarter 3 onwards

Description

Required for all patients with a hospital provider spell that includes the care of a consultant in a psychiatric specialty or who have been discharged from such a spell and are receiving supervised aftercare under the provisions of the Mental Health Act 1995.

Value

01 = Informal

02 = Formally detained under the Mental Health Act, Section 2

03 = Formally detained under the Mental Health Act, Section 3

04 = Formally detained under the Mental Health Act, Section 4

05 = Formally detained under the Mental Health Act, Section 5(2)

06 = Formally detained under the Mental Health Act, Section 5(4)

07 = Formally detained under the Mental Health Act, Section 35

08 = Formally detained under the Mental Health Act, Section 36

09 = Formally detained under the Mental Health Act, Section 37 with Section 41 restrictions

10 = Formally detained under the Mental Health Act, Section 37

12 = Formally detained under the Mental Health Act, Section 38

13 = Formally detained under the Mental Health Act, Section 44

14 = Formally detained under the Mental Health Act, Section 46

15 = Formally detained under the Mental Health Act, Section 47 with Section 49 restrictions

16 = Formally detained under the Mental Health Act, Section 47

17 = Formally detained under the Mental Health Act, Section 48 with Section 49 restrictions

18 = Formally detained under the Mental Health Act, Section 48

19 = Formally detained under the Mental Health Act, Section 135

20 = Formally detained under the Mental Health Act, Section 136

31 = Formally detained under Criminal Procedure(Insanity) Act 1964 as amended by the Criminal Procedures (Insanity and Unfitness to Plead) Act 1991

32 = Formally detained under other acts

33 = Supervised Discharge (Mental Health (Patients in the Community) Act 1995)

34 = Formally detained under Mental Health Act Section 45A

35 = Subject to guardianship under Mental Health Act Section 7

36 = Subject to guardianship under Mental Health Act Section 37

98 = Not applicable

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99 = Not known

Data cleaning	Data not cleaned

HES field name	**Local patient identifier**
Field	lopatid
Class	Patient
Length and format	10n
Availability	From 1997-98

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 hospital's patient administration system.

The Local patient identifier (lopatid) field contains sensitive data. Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

10n = Local patient identifier

Data cleaning	None

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HES field name	NHS number
Field	newnhsno
Class	Patient
Length and format	10n
Availability	From 1997-98

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.

Records for babies under six weeks of age and for patients admitted through accident and emergency tend to have null entries for this field. The NHS Number (newnhsno) field contains sensitive data.

Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

10n = NHS Number

Data cleaning	None

HES field name	Patient ID - HES generated (original)
Field	hesid_orig
Class	Patient
Length and format	10n
Availability	From 1997-98

Description

Uniquely identifies a patient across all data years. It is generated by matching records for the same patient using a combination of NHS Number and local patient identifier, plus the patients' postcode, sex and date of birth.

Value

Not available

Data cleaning	Not applicable (derived data)

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HES field name	**Patient identifier - HES generated**
Field	pseudo_hesid
Class	Patient
Length and format	32an
Availability	

Description

This field uniquely identifies a patient across all data years. It is generated by matching records for the same patient using a combination of NHS Number, local patient identifier, postcode, sex and date of birth.

Customers who request an extract will receive a unique version of the pseudo_hesid called the extract_hesid.

Pseudo_hesid supercedes hesid.

Value

Not available

Data cleaning	Not applicable

HES field name	**Postcode district of patient's residence**
Field	postdist
Class	Patient
Length and format	4an
Availability	

Description

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).

Value

4an = Postcode district

ZZ99 = Unavailable / not applicable

Data cleaning	Not applicable (derived from homeadd by rule 1200)

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HES field name	**Postcode of patient**
Field	homeadd
Class	Patient
Length and format	8an
Availability	

Description

This field normally contains the patient's home postcode. However, if a patient is away from home for long periods, such as in a university hall of residence, the postcode of their typical residence is used instead. If the postcode contains fewer than eight characters, spaces are placed between the two parts of the postcode so that the second part always starts at the sixth character position.

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

Value

aann naa = Postcode

ZZ99 3CZ = England, GB, UK (not otherwise stated)

ZZ99 3VZ = No fixed abode

ZZ99 3WZ = Not known + sundry categories

ZZ99 2WZ = Northern Ireland

ZZ99 1WZ = Scotland

ZZ99 3GZ = Wales

ZZ99 NNN = Other pseudo codes used for patients normally resident abroad (where NNN is the country code listed in the NHS postcode directory)

Data cleaning	Rule 330

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HES field name	**Sex of patient**
Field	sex
Class	Patient
Length and format	1n
Availability	

Description

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

Value

From 1996-97 onwards:

1 = Male

2 = Female

9 = Not specified

0 = Not known

Prior to April 1996:

1 = Male

2 = Female

3 = Indeterminate, including those undergoing sex change operations

Data cleaning	Rules 50, 60 and 650

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Patient pathway

Duration of elective wait (waitdays) 153

Earliest reasonable date offered (earldatoff) 153

Organisation code (patient pathway identifier issuer) (orgpppid) 154

Patient pathway identifier (patpathid) 154

RTT period start date (rttperstart) 155

RTT period status (rttperstat) 156

RTT period end date (rttperend) 157

Unique booking reference number (bookrefno) 157

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HES field name	**Duration of elective wait**
Field	waitdays
Class	Patient Pathway
Length and format	4n
Availability	2007-08, Quarter 3 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

4n = duration of elective wait

9998 = Not applicable

9999 = Not known

Data cleaning	Not applicable: derived field

HES field name	**Earliest reasonable date offered**
Field	earldatoff
Class	Patient Pathway
Length and format	dd/mm/yyyy (Date)
Availability	2007-08, Quarter 3 onwards

Description

The earliest reasonable (as defined by hospital staff where a patient accepts an offer date the date is deemed reasonable) appointment or admission date offered.

Where a patient cancels an appointment or offer for admission, the earliest reasonable offer date for the rearranged appointment/admission will remain as the earliest reasonable offer date of the cancelled appointment/admission.

Where the healthcare provider cancels and rearrange an appointment/admission date, the earliest reasonable offer date for the re-arranged appointment/admission will be the date of the earliest reasonable offer made following cancellation.

Value

dd/mm/yyyy = earliest reasonable date offered

Data cleaning	Data not cleaned

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HES field name	**Organisation code (patient pathway ID issuer)**
Field	orgpppid
Class	Patient Pathway
Length and format	5an
Availability	2007-08, Quarter 3 onwards

Description

The organisation code of the patient pathway ID issuer.

Where Choose and Book has been used, the Organisation Code for NHS Connecting For Health (X09) is used.

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, Quarter 3 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).

Value

20an = patient pathway identifier

Data cleaning	Data not cleaned

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HES field name	**RTT period start date**
Field	rttperstart
Class	Patient Pathway
Length and format	dd/mm/yyyy (Date)
Availability	From 2007-08, Quarter 3 onwards

Description
The start date, for the referral to treatment period.

Value
dd/mm/yyyy = RTT period start date

Data cleaning	Data not cleaned

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HES field name	RTT period status
Field	rttperstat
Class	Patient Pathway
Length and format	2n
Availability	From 2007-08, Quarter 3 onwards

Description

The status of an activity, or anticipated activity, for the referral to treatment period.

Value

The first activity in a referral to treatment period:

10 - First activity

11 - End of active monitoring

12 - Consultant referral

Subsequent activity during a referral to treatment period:

20 - subsequent activity. Further activities anticipated

21 - Transfer to another healthcare provider

Activity that ends a referral to treatment period:

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

Activity that is not part of a referral to treatment period:

90 - After treatment - first treatment occurred previously, eg admitted as an emergency from A&E91 - Active monitoring (the patient is observed but not treated)

92 - Not yet referred

98 - Not applicable

Activity where the referral to treatment period status is not yet known: 99 - Not yet known

Data cleaning	Data not cleaned

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HES field name	RTT period end date
Field	rttperend
Class	Patient Pathway
Length and format	dd/mm/yyyy (Date)
Availability	From 2007-08, Quarter 3 onwards
Description	
The end date, for the referral to treatment period.	
Value	
dd/mm/yyyy = RTT period end date	
Data cleaning	Data not cleaned

HES field name	Unique booking reference number
Field	bookrefno
Class	Patient Pathway
Length and format	12n
Availability	2007-08, Quarter 3 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.	
Value	
12n = unique booking reference number	
Data cleaning	Data not cleaned

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Period of care

Admission date check flag (adm_cfl) 160

Date of admission (admidate) 160

Date of decision to admit (elecdate) 161

Date of decision to admit check flag (elec_cfl) 161

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HES field name	**Admission date check flag**
Field	adm_cfl
Class	Period of care
Length and format	1n
Availability	All years

Description

Codes in this field indicate whether the patient's admission date is valid.

Value

0 = Valid (or missing because not required)

1 = Missing

2 = Invalid

Data cleaning	Not applicable (derived by rule 35)

HES field name	**Date of admission**
Field	admidate
Class	Period of care
Length and format	dd/mm/yyyy (Date)
Availability	All years

Description

This field contains the date the patient was admitted to hospital at the start of a hospital spell. Admidate is recorded on all episodes within a spell.

Value

dd/mm/yyyy = Date

null = Date not known / not applicable

Data cleaning	Rule 35

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HES field name	Date of decision to admit
Field	elecdate
Class	Period of care
Length and format	dd/mm/yyyy (Date)
Availability	All years

Description

This field contains the date on which a consultant, or another member of the clinical staff, decided to admit the patient to a hospital.

The patient may or may not be admitted immediately. The time between elecdate and admidate (admission date) is known as the waiting time.

Value

dd/mm/yyyy = Date

null = Date not known / not applicable

Data cleaning	Rules 40 and 45

HES field name	Date of decision to admit check flag
Field	elec_cfl
Class	Period of care
Length and format	1n
Availability	All years

Description

Codes in this field indicate whether the decision to admit date is valid.

Value

0 = Valid (or missing because not required)

1 = Missing

2 = Invalid

Data cleaning	Not applicable (derived by rules 40 and 45)

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HES field name	First regular day or night admission
Field	firstreg
Class	Period of care
Length and format	1n
Availability	From 2002-03

Description

This field indicates whether the episode falls within a sequence of regular day and night admissions and, if so, whether it is the first or subsequent episode within the sequence.

Value

0 = First in a series

1 = Subsequent to first in a series

8 = Not applicable: this episode of care is neither the first nor any subsequent attendance within a sequence of regular day/night admissions

9 = Not known: this episode is an attendance within a sequence of regular day/night admissions, but the status of this episode within the attendance is not known: a validation error

Data cleaning	None

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HES field name	**Method of admission**
Field	admimeth
Class	Period of care
Length and format	2n
Availability	All years

Description

This field contains a code which identifies how the patient was admitted to hospital.

Admimeth is recorded on the first and also all subsequent episodes within the spell (ie where the spell is made up of more than one episode).

Value

11 = Elective: from waiting list

12 = Elective: booked

13 = Elective: planned

21 = Emergency: via Accident and Emergency (A&E) services, including the casualty department of the provider

22 = Emergency: via general practitioner (GP)

23 = Emergency: via Bed Bureau, including the Central Bureau

24 = Emergency: via consultant outpatient clinic

28 = Emergency: other means, including patients who arrive via the A&E department of another healthcare provider

31 = Maternity: where the baby was delivered after the mother's admission

32 = Maternity: where the baby was delivered before the mother's admission

81 = Transfer of any admitted patient from another hospital provider other than in an emergency
this does not include admissions to high security psychiatric hospitals (HSPH)

82 = Other: babies born in health care provider

83 = Other: babies born outside the health care provider, except when born at home as intended

84 = Admission by the admission panel of an HSPH
patient not entered on the HSPH admissions waiting list (not valid for admissions after 31 March 2002)

89 = From the admissions waiting list of an HSPH (not valid for admissions after 31 March 2002)

98 = Not applicable (eg other maternity event)

99 = Not known

Data cleaning	Rules 65, 70 and 320

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HES field name	**Source of admission**
Field	admisorc
Class	Period of care
Length and format	2n
Availability	All years

Description

This field contains a code which identifies where the patient was immediately prior to admission.

Most patients are admitted from home, but there are some significant exceptions.

In particular, this field differentiates between patients admitted from home and patients transferred from another hospital provider or institution.

Value

19 = The usual place of residence, including no fixed abode
29 = Temporary place of residence when usually resident elsewhere, for example, hotels and residential educational establishments
30 = Repatriation from high security psychiatric hospital (1999-00 to 2006-07)
37 = Penal establishment: court (1999-00 to 2006-07)
38 = Penal establishment: police station (1999-00 to 2006-07)
39 = Penal establishment (court and police station excluded from 1999-2000)
48 = High security psychiatric hospital, Scotland (1999-00 to 2006-07)
49 = NHS other hospital provider: high security psychiatric accommodation in an NHS hospital provider (NHS trust)
50 = NHS other hospital provider: medium secure unit (1999-00 to 2006-07)
51 = NHS other hospital provider: ward for general patients or the younger physically disabled or A&E department
52 = NHS other hospital provider: ward for maternity patients or neonates
53 = NHS other hospital provider: ward for patients who are mentally ill or have learning disabilities
54 = NHS run nursing home, residential care home or group home
65 = Local authority Part 3 residential accommodation: where care is provided (from 1996-97)
66 = Local authority foster care, but not in Part 3 residential accommodation: where care is provided (from 1996-97)
69 = Local authority home or care (1989-90 to 1995-96)
79 = Babies born in or on the way to hospital
85 = Non-NHS (other than Local Authority) run residential care home (from 1996-97)
86 = Non-NHS (other than Local Authority) run nursing home (from 1996-97)
87 = Non-NHS run hospital
88 = non-NHS (other than Local Authority) run hospice
89 = Non-NHS institution (1989-90 to 1995-96)
98 = Not applicable
99 = Not known

Data cleaning	Rule 80

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HES field name	**Waiting time**
Field	elecdur
Class	Period of care
Length and format	4n
Availability	

Description
This derived field contains the difference in days between the date on which it was decided to admit the patient (elecdate) and the actual admission date (admidate). Elecdur is only applicable where an elective admission (ie the admission method is 11, 12 or 13) was scheduled and took place.

Value
4n = Waiting time in days from 1 to 8887 null = Other maternity events / not known

Data cleaning	Not applicable (derived by rule 270)

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HES field name	**Intended management**
Field	intmanig
Class	Period of care
Length and format	1n
Availability	From 1997-98

Description

This field contains a code that defines what was planned to happen. The patient classification (classpat) defines what actually happened.

Value

1 = Patient to stay in hospital for at least one night

2 = Patient not to stay in hospital overnight

3 = Patient to have a planned series of admissions
at least one overnight stay

4 = Patient to have a planned sequence of admissions
no overnight stay

5 = Patient to be admitted regularly for a sequence of nights
rest of the 24 hour period at home

8 = Not applicable

9 = Not known

Data cleaning	Rule 120

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HES field name	**Main specialty**
Field	mainspef
Class	Period of care
Length and format	3n or &
Availability	

Description

This field contains a code that defines the specialty under which the consultant is contracted. It can be compared with tretspef, the specialty under which the consultant worked.

Value

100 = General surgery
101 = Urology
110 = Trauma and orthopaedics
120 = Ear, nose and throat (ENT)
130 = Ophthalmology
140 = Oral surgery
141 = Restorative dentistry
142 = Paediatric dentistry (available from 1999-2000)
143 = Orthodontics
145 = Oral and maxillo facial surgery (available from 2004-05)
146 = Endodontics (available from 2004-05)
147 = Periodontics (available from 2004-05)
148 = Prosthodontics (available from 2004-05)
149 = Surgical dentistry (available from 2004-05)
150 = Neurosurgery
160 = Plastic surgery
170 = Cardiothoracic surgery
171 = Paediatric surgery
180 = Accident and emergency (A&E)
190 = Anaesthetics
191 = Pain management (available from 1998-99 to 2003-04)
192 = Critical care medicine (available from 2004-05)
199 = Non-UK Provider - specialty function not known, treatment mainly surgical
300 = General medicine
301 = Gastroenterology
302 = Endocrinology
303 = Clinical haemotology
304 = Clinical physiology
305 = Clinical pharmacology
310 = Audiological medicine
311 = Clinical genetics
312 = Clinical cytogenics and molecular genetics (available from 1990-91)
313 = Clinical immunology and allergy (available from 1991-92)
314 = Rehabilitation (available from 1991-92)
315 = Palliative medicine
320 = Cardiology
321 = Paediatric cardiology (available from 2004-05)
330 = Dermatology
340 = Respiratory medicine (also known as thoracic medicine)
350 = Infectious diseases
352 = Tropical medicine (available from 2004-05)

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360 = Genito-urinary medicine
361 = Nephrology
370 = Medical oncology
371 = Nuclear medicine
400 = Neurology
401 = Clinical neuro-physiology
410 = Rheumatology
420 = Paediatrics
421 = Paediatric neurology
430 = Geriatric medicine
450 = Dental medicine (available from 1990-91)
460 = Medical opthalmology (available from 1993-94)
499 = Non-UK Provider - specialty function not known, treatment mainly medical
501 = Obstetrics (prior to 2004-05: Obstetrics for patients using a hospital bed or delivery facilities)
502 = Gynaecology
560 = Midwifery (available from October 1995)
600 = General Medical Practice
601 = General Dental Practice
610 = General practice with maternity function (available to 2003-04)
620 = General practice other than maternity (available to 2003-04)
700 = Learning disability (previously known as mental handicap)
710 = Adult mental illness
711 = Child and adolescent psychiatry
712 = Forensic psychiatry
713 = Psychotherapy
715 = Old age psychiatry (available from 1990-91)
800 = Clinical oncology (previously Radiotherapy)
810 = Radiology
820 = General pathology
821 = Blood transfusion
822 = Chemical pathology
823 = Haematology
824 = Histopathology
830 = Immunopathology
831 = Medical microbiology
832 = Neuropathology (available to 2003-04)
900 = Community medicine
901 = Occupational medicine
902 = Community health services - dental (available from 2004-05)
903 = Public health medicine (available from 2004-05)
904 = Public health dental (available from 2004-05)
950 = Nursing episode (available from 2002-03)
960 = Allied health professional episode (available from 2006-07)
null = Other maternity event
& = Not known

Data cleaning	Rule 90 and 350

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HES field name	**Patient classification**
Field	classpat
Class	Period of care
Length and format	1n
Availability	

Description

This field identifies day cases, ordinary admissions, regular day and regular night attenders, and the special case of mothers and babies using only delivery facilities.

Data about regular day and regular night attenders are not available for analysis prior to 2002-03.

Since the introduction of the NHS wide clearing service in April 1996, this field has been derived from related items in the Commissioning Data Set (eg intended management).

Value

1 = Ordinary admission

2 = Day case admission

3 = Regular day attender

4 = Regular night attender

5 = Mothers and babies using only delivery facilities

8 = Not applicable (other maternity event)

Data cleaning	Not applicable (derived by rule 260)

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HES field name	**Treatment specialty**
Field	tretspef
Class	Period of care
Length and format	3n or &
Availability	

Description

This field contains a code that defines the specialty in which the consultant was working during the period of care. It can be compared with mainspef, the specialty under which the consultant is contracted.

Prior to 1 April 1996, this data item contained the code for the sub-specialty (subspef).

From April 2004 a new list of treatment specialities was introduced (see below). The new list describes the specialised service within which the patient was treated.

Value

From 1 April 2004:

100 = General surgery
101 = Urology
102 = Transplantation surgery (includes renal and liver transplants, excludes cardiothoracic transplantation)
103 = Breast surgery (includes suspected neoplasms, cysts etc, does not include cosmetic surgery)
104 = Colorectal surgery (surgical treatment of disorders of the lower intestine - colon, anus and rectum)
105 = Hepatobiliary & pancreatic surgery (includes liver surgery but excludes liver transplantation see transplantation surgery)
106 = Upper gastrointestinal surgery
107 = Vascular surgery
110 = Trauma & orthopaedics
120 = Ear, nose and throat (ENT)
130 = Ophthalmology
140 = Oral surgery
141 = Restorative dentistry (endodontics, periodontics and prosthodontics)
142 = Paediatric dentistry
143 = Orthodontics
144 = Maxillo-facial surgery
150 = Neurosurgery
160 = Plastic surgery
161 = Burns care (recognised specialist services only - includes 'outreach' facilities)
170 = Cardiothoracic surgery (where there are no separate services for cardiac and thoracic surgery)
171 = Paediatric surgery
172 = Cardiac surgery
173 = Thoracic surgery
174 = Cardiothoracic transplantation (recognised specialist services only - includes 'outreach' facilities)
180 = Accident & emergency (A&E)
190 = Not a treatment function
191 = Pain management (complex pain disorders requiring diagnosis and treatment by a specialist multi-professional team)
192 = Critical care medicine (also known as intensive care medicine)

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199 = Non-UK Provider - specialty function not known, treatment mainly surgical
211 = Paediatric Urology (from 2006-07)
212 = Paediatric Transplantation Surgery (from 2006-07)
213 = Paediatric Gastrointestinal Surgery (from 2006-07)
214 = Paediatric Trauma and Orthopaedics (from 2006-07)
215 = Paediatric Ear Nose and Throat (from 2006-07)
216 = Paediatric Ophthalmology (from 2006-07)
217 = Paediatric Maxillo-Facial Surgery (from 2006-07)
218 = Paediatric Neurosurgery (from 2006-07)
219 = Paediatric Plastic Surgery (from 2006-07)
220 = Paediatric Burns Care (from 2006-07)
221 = Paediatric Cardiac Surgery (from 2006-07)
222 = Paediatric Thoracic Surgery (from 2006-07)
241 = Paediatric Pain Management (from 2006-07)
242 = Paediatric Intensive Care (from 2006-07)
251 = Paediatric Gastroenterology (from 2006-07)
252 = Paediatric Endocrinology (from 2006-07)
253 = Paediatric Clinical Haetology (from 2006-07)
254 = Paediatric Audiological Medicine (from 2006-07)
255 = Paediatric Clinical Immunology and Allergy (from 2006-07)
256 = Paediatric Infectious diseases (from 2006-07)
257 = Paediatric Dermatology (from 2006-07)
258 = Paediatric Respiratory Medicine (from 2006-07)
259 = Paediatric Nephrology (from 2006-07)
260 = Paediatric Medical Oncology (from 2006-07)
261 = Paediatric Metabolic disease (from 2006-07)
262 = Paediatric Pheumalogy (from 2006-07)
280 = Paediatric Interventional Radiology (from 2006-07)
290 = Community Paediatrics (from 2006-07)
291 = Paediatric Neuro-disability (from 2006-07)
300 = General medicine
301 = Gastroenterology
302 = Endocrinology
303 = Clinical haematology
304 = Clinical Physiology (from 2008-09)
305 = Clinical pharmacology
306 = Hepatology
307 = Diabetic medicine
308 = Bone and marrow transplantation (previously part of clinical haematology)
309 = Haemophilia (previously part of clinical haematology)
310 = Audiological medicine
311 = Clinical genetics
312 = Not a treatment function
313 = Clinical immunology and allergy (where there are no separate services for clinical immunology and allergy)
314 = Rehabilitation
315 = Palliative medicine
316 = Clinical immunology
317 = Allergy
318 = Intermediate care (encompasses a range of multidisciplinary services designed to safeguard independence by maximising rehabilitation and recovery)
319 = Respite care
320 = Cardiology
321 = Paediatric cardiology
322 = Clinical microbiology
323 = Spinal Injuries (from 2006-07)
330 = Dermatology
340 = Thoracic medicine
341 = Respiratory Physiology (previously known as Sleep studies)
350 = Infectious diseases

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352 = Tropical medicine
360 = Genito-urinary medicine
361 = Nephrology
370 = Medical oncology
371 = Nuclear Medicine (from 2008-09)
400 = Neurology
401 = Clinical Neurophysiology (from 2008-09)
410 = Rheumatology
420 = Paediatrics
421 = Paediatric neurology
422 = Neonatology
424 = Well babies (care given by the mother/substitute, with nursing advice if needed)
430 = Geriatric medicine
450 = Dental medicine
460 = Medical ophthalmology
499 = Non-UK Provider - specialty function not known, treatment mainly medical
500 = Not a treatment function
501 = Obstetrics
502 = Gynaecology
503 = Gynaecological oncology
510 and 520 = Not treatment functions
560 = Midwife episode
600, 610 and 620 = Not treatment functions
650 = Physiotherapy (from 2006-07)
651 = Occupational Therapy (from 2006-07)
652 = Speech and Language Therapy (from 2006-07)
653 = Podiatry (from 2006-07)
654 = Dietetics (from 2006-07)
655= Orthoptics (from 2006-07)
656 = Clinical Psychology (from 2006-07)
700 = Learning disability (previously known as mental handicap)
710 = Adult mental illness
711 = Child and adolescent psychiatry
712 = Forensic psychiatry
713 = Psychotherapy
715 = Old age psychiatry
720 = Eating Disorders (from 2006-07)
721 = Addicition Services (from 2006-07)
722 = Liaison Psychiatry (from 2006-07)
723 = Psychiatric Intensive Care(from 2006-07)
724 = Perinatal Psychiatry (from 2006-07)
800 = Clinical oncology (previously known as Radiotherapy)
810 = Radiology (until 2005-06)
811 = Interventional radiology
812 = Diagnostic Imaging (from 2008-09)
820 and 821 = Not treatment functions
822 = Chemical pathology
823, 824, 830, 831 832, 900, 901, 950 and 990 = Not treatment functions
840 = Audiology (from 2008-09)
null = Other maternity event
& = Not known

Until 31 March 2004:

100 = General surgery
101 = Urology
110 = Trauma and orthopaedics
120 = Ear, nose and throat (ENT)
130 = Ophthalmology
140 = Oral surgery

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141 = Restorative dentistry
142 = Paediatric dentistry (from 1999-2000)
143 = Orthodontics
150 = Neurosurgery
160 = Plastic surgery
170 = Cardiothoracic surgery
171 = Paediatric surgery
180 = Accident and emergency (A&E)
190 = Anaesthetics
191 = Pain management (from 1998-99)
300 = General medicine
301 = Gastroenterology
302 = Endocrinology
303 = Haematology (clinical)
304 = Clinical physiology
305 = Clinical pharmacology
310 = Audiological medicine
311 = Clinical genetics
312 = Clinical cytogenics and molecular genetics (from 1990-91)
313 = Clinical immunology and allergy (from 1991-92)
314 = Rehabilitation (from 1991-92)
315 = Palliative medicine
320 = Cardiology
330 = Dermatology
340 = Thoracic medicine
350 = Infectious diseases
360 = Genito-urinary medicine
361 = Nephrology
370 = Medical oncology
371 = Nuclear medicine
400 = Neurology
401 = Clinical neuro-physiology
410 = Rheumatology
420 = Paediatrics
421 = Paediatric neurology
430 = Geriatric medicine
450 = Dental medicine (from 1990-91)
460 = Medical opthalmology (from 1993-94)
501 = Obstetrics for patients using a hospital bed or delivery facilities
502 = Gynaecology
560 = Midwifery (from October 1995)
610 = General practice with maternity function
620 = General practice other than maternity
700 = Learning disability (previously known as mental handicap)
710 = Mental illness
711 = Child and adolescent psychiatry
712 = Forensic psychiatry
713 = Psychotherapy
715 = Old age psychiatry (from 1990-91)
800 = Clinical oncology (previously known as Radiotherapy)
810 = Radiology
820 = General pathology
821 = Blood transfusion
822 = Chemical pathology
823 = Haematology
824 = Histopathology
830 = Immunopathology
831 = Medical microbiology
832 = Neuropathology
900 = Community medicine

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901 = Occupational medicine
950 = Nursing episode (from 2002-03)
null = Other maternity event
& = Not known

Data cleaning	Rule 100

HES field name	**Date of discharge**
Field	disdate
Class	Period of care
Length and format	dd/mm/yyyy (Date)
Availability	All years

Description

This field contains the date on which the patient was discharged from hospital.

It is only present in the record for the last episode of a spell.

Value

dd/mm/yyyy = Date

null = Date not known / not applicable

Data cleaning	Rules 205, 210, 220 and 223

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HES field name	**Destination on discharge**
Field	disdest
Class	Period of care
Length and format	2n
Availability	

Description

This field contains a code which identifies where the patient was due to go on leaving hospital. In most cases they return home.

For many patients discharge destination is the same as source of admission (admisorc).

Value

19 = The usual place of residence, including no fixed abode

29 = Temporary place of residence when usually resident elsewhere, for example, hotels and residential educational establishments

30 = Repatriation from high security psychiatric hospital (from 1999-2000)

37 = Penal establishment - court (from 1999-2000)

38 = Penal establishment - police station (from 1999-2000)

39 = Penal establishment - court and police station excluded (from 1999-2000)

48 = High security psychiatric hospital, Scotland (from 1999-2000)

49 = NHS other hospital provider - high security psychiatric accommodation

50 = NHS other hospital provider - medium secure unit (from 1999-2000)

51 = NHS other hospital provider - ward for general patients or the younger physically disabled

52 = NHS other hospital provider - ward for maternity patients or neonates

53 = NHS other hospital provider - ward for patients who are mentally ill or have learning disabilities

54 = NHS run nursing home, residential care home or group home

65 = Local authority Part 3 residential accommodation - where care is provided (from 1996-97)

66 = Local authority foster care, but not in Part 3 residential accommodation - where care is provided (from 1996-97)

69 = LA home or care (1989-90 to 1995-96)

79 = Not applicable - patient died or still birth

84 = Non-NHS run hospital - medium secure unit (from 2003-04)

85 = Non-NHS (other than local authority) run residential care home (from 1996-97 to 2003-04)

85 = Non-NHS (other than local authority) run care home (from 2003-04)

86 = Non-NHS (other than local authority) run nursing home (from 1996-97 to 2003-04)

87 = Non-NHS run hospital

88 = Non-NHS (other than local authority) run hospice

89 = Non-NHS institution (1989-90 to 1995-96)

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98 = Not applicable

99 = Not known

Data cleaning	Rules 205, 210, 220 and 223

HES field name	**Discharge date check flag**
Field	dis_cfl
Class	Period of care
Length and format	1n
Availability	

Description

Codes in this field indicate whether the discharge date (disdate) is valid.

Value

0 = Valid (or missing because not required)

1 = Missing

2 = Invalid

Data cleaning	Not applicable (derived by rules 205, 210, 220 and 223)

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HES field name	**Method of discharge**
Field	dismeth
Class	Period of care
Length and format	1n
Availability	

Description

This field contains a code which defines the circumstances under which a patient left hospital. For the majority of patients this is when they are discharged by the consultant.

This field is only completed for the last episode in a spell.

Value

1 = Discharged on clinical advice or with clinical consent

2 = Self discharged, or discharged by a relative or advocate

3 = Discharged by a mental health review tribunal, the Home Secretary or a court

4 = Died

5 = Baby was still born

8 = Not applicable: patient still in hospital

9 = Not known: a validation error

Data cleaning	Rules 205, 210, 220, 223 and 320

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HES field name	**Bed days within the year**
Field	bedyear
Class	Period of care
Length and format	3n
Availability	All years

Description

This derived field provides the duration of an episode in days within the HES data year. It is derived from epistart (episode start date) and epiend (episode end date).

For episodes that both start and finish in the data year, bedyear has the same value as epidur (episode duration).

If the episode is unfinished, bedyear is calculated from epistart and the end of the data year.

If epistart is before the beginning of the data year, bedyear is calculated from the start of the data year and epiend.

If the record type is other maternity events (episode type 5 or 6), bedyear is null.

Value

3n = The number of days of stay from 0 to 366

null = Not applicable (other maternity event / not known)

Data cleaning	Not applicable (derived by rule 240)

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HES field name	**Beginning of spell**
Field	spelbgin
Class	Period of care
Length and format	1n
Availability	

Description

This derived field contains a code that defines whether the episode is the first of a spell and whether the spell started in the current or previous year. Other maternity events are excluded.

Value

0 = Not first episode of spell

1 = First episode of spell that started in previous year

2 = First episode of spell that started in current year

null = Not applicable

Data cleaning	Not applicable (derived by rule 1170)

HES field name	**Date episode ended**
Field	epiend
Class	Period of care
Length and format	dd/mm/yyyy (Date)
Availability	

Description

This field contains the date on which a patient left the care of a particular consultant, for one of the following reasons:

Discharged from hospital (includes transfers) or moved to the care of another consultant.

A null entry either indicates that the episode was unfinished at the end of the data year, or the date was unknown.

Value

dd/mm/yyyy = Date episode ended

null = Not applicable / not known

Data cleaning	Rules 190, 200 and 203

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HES field name	**Date episode started**
Field	epistart
Class	Period of care
Length and format	dd/mm/yyyy (Date)
Availability	

Description

This field contains the date on which a patient was under the care of a particular consultant. If a patient has more than one episode in a spell, for each new episode there is a new value of epistart.

However, the admission date which is copied to each new episode in a spell will remain unchanged and will be equal to the episode start date of the first episode in hospital.

Value

dd/mm/yyyy = Date episode started

null = Not applicable / not known

Data cleaning	Rule 30

HES field name	**Duration of spell**
Field	speldur
Class	Period of care
Length and format	5n
Availability	

Description

This derived field contains the difference in days between the admission date (admidate) and the discharge date (epiend) provided the discharge method (dismeth) confirms that the spell has finished.

If the episode has not finished it is calculated from the end of the year and admidate.

Value

5n = Duration of spell in days from 0 to 29,200

null = Not applicable: patient not discharged (dismeth not in range 1-5), other maternity event (epitype is 5 or 6) or not valid

Data cleaning	Not applicable (derived by rule 1180)

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HES field name	End of spell
Field	spelend
Class	Period of care
Length and format	1a
Availability	

Description

This field contains a code which defines whether the episode is the last of a spell.

It is set for finished episodes (episode status - epistat - is 3) for general, delivery or birth episodes (episode type - epitype - is 1, 2 or 3) provided the discharge method (dismeth) confirms that the spell has finished.

Value

Y = Last episode of spell

N = Not last episode of spell

Data cleaning	Not applicable (derived by rule 1190)

HES field name	Episode duration
Field	epidur
Class	Period of care
Length and format	5n
Availability	

Description

This field contains the difference in days between the episode start date (epistart) and the episode end date (epiend).

If the episode is unfinished epidur is set as null.

Value

5n = Duration of episode in days from 0 to 29,200

null = Not applicable (other maternity event or not known)

Data cleaning	Not applicable (derived by rule 250)

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HES field name	**Episode order**
Field	epiorder
Class	Period of care
Length and format	2n
Availability	

Description

This field contains the number of the episode within the current spell.

All spells start with an episode where epiorder is 01.

Many spells finish with this episode, but if the patient moves to the care of another consultant, a new episode begins.

Episode numbers increase by 1 for each new episode until the patient is discharged (this includes transfers to another NHS trust or primary care trust - ie the first episode in the new trust will have epiorder 01).

If the same patient returns for a different spell in hospital, epiorder is again set to 01. Admissions are calculated by counting the number of times epiorder is 01.

When studying long term care, remember that it is not unusual to transfer psychiatric patients from one hospital to another.

Value

2n = The number of the episode in the sequence of episodes from 01-87

98 = Not applicable

99 = Not known

null = Not applicable: other maternity event

Data cleaning	Rules 130, 140 and 320

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HES field name	Episode start date check flag
Field	epis_cfl
Class	Period of care
Length and format	1n
Availability	

Description

This field validates the episode start date (epistart).

Value

0 = Valid (or missing because not required)

1 = Missing

2 = Invalid

Data cleaning	Not applicable (derived by rule 30)

HES field name	Episode status
Field	epistat
Class	Period of care
Length and format	1n
Availability	

Description

This field tells you whether the episode had finished before the end of the HES data-year (ie whether the episode was still 'live' at midnight on 31 March).

For example, if a patient was admitted on 25 March 2005 and was not discharged (or transferred to the care of another consultant) until 4 April 2005, there will be a record describing the unfinished episode (episode status = 1) in the 2004-05 data, and a separate record describing the finished episode (episode status = 3) in the 2005-06 data.

Because hospital providers are advised not to include clinical data (diagnosis and operation codes) in unfinished records, these are normally excluded from analyses.

Also, if unfinished episodes are included in time series analyses - where data for more than one year is involved - there is a danger of counting the same episode twice.

Value

1 = Unfinished

3 = Finished

9 = Derived unfinished (not present on processed data)

Data cleaning	Rules 170 & 180

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HES field name	**Episode type**
Field	epitype
Class	Period of care
Length and format	1n
Availability	

Description
This field contains a code that defines the type of episode, so that groups of similar episodes can be formed.

Value
1 = General episode (anything that is not covered by the other codes)
2 = Delivery episode
3 = Birth episode
4 = Formally detained under the provisions of mental health legislation or long-term (over one year) psychiatric patients who should have additional information recorded on the psychiatric census. This value can only appear in unfinished records
5 = Other delivery event
6 = Other birth event

Data cleaning	Rules 150 & 160

HES field name	**Hospital provider spell number**
Field	provspno
Class	Period of care
Length and format	12an
Availability	From 1997-98

Description
Hospital provider spell number. A number to provide a unique identifier for each Hospital Provider Spell for a health care provider.

Value
Not available

Data cleaning	None

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HES field name	**Ward type at start of episode**
Field	wardstrt
Class	Period of care
Length and format	7n
Availability	From 1997-98 until 31 March 2001

Description

This field contains a code that defines the characteristics of a ward. The code has six parts: AABCDEF.

Value

A is as follows:

71 = Home leave, non-psychiatric

72 = Home leave, psychiatric

B is age as follows:

1 = Neonates

2 = Children and adolescents

3 = Elderly

8 = Any age

9 = Invalid

C is sex as follows:

8 = Not specified

9 = Invalid

D is the hospital provider as follows:

1 = NHS hospital provider

2 = Non-NHS hospital provider

9 = Invalid

E is the number of days in a week that the ward is open only during the day

F is the number of days in a week that the ward is open at night

Data cleaning	None

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Practitioner

Code of GP practice (gpprac)	187
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HES field name	Code of GP practice
Field	gpprac
Class	Practitioner
Length and format	6an
Availability	From 1997-98

Description

Code of GP practice (registered GMP). This field was introduced for the 1997-98 data year. It contains a code which defines the practice of the patient's registered GP. It allows the GP to be notified about treatment given to the patient.

The registered GP may not be the same as the referring GP.

Value

6an = GP's practice code (English GPs with codes commencing A-P only)

V81998 = Not applicable

V81999 = Unknown

Data cleaning	Rule 440

HES field name	Code of GP practice (pseudonymised)
Field	pgpprac
Class	Practitioner
Length and format	16an
Availability	

Description

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

Please note that the registered GP may not be the same as the referring GP (see preferrer).

The code of GP practice (gpprac) field contains the actual practice code.

Value

16an = pseudonymised code

& = Unknown

Data cleaning	

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HES field name	**Code of patient's registered or referring general medical practitioner**
Field	reggmp
Class	Practitioner
Length and format	8an
Availability	From 1997-98

Description

This is normally the code of the general medical practitioner with whom the patient is registered.

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

Value

G9999998 = GP code is unknown

G9999981 = No registered GP

R9999981 = No referring GP

A9999998 = MOD doctor refers

P9999981 = Prison doctor

Data cleaning	Rule 430

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HES field name	**Pseudonymised code of patient's registered or referring general medical practitioner**
Field	preggmp
Class	Practitioner
Length and format	16an
Availability	

Description

A pseudonymised version of the code of the patient's registered or referring general medical practitioner.

The Code of patient's registered or referring general medical practitioner (reggmp) field contains the actual codes.

However, it is a sensitive field that requires the approval of the Database Monitoring Sub-Group before you can be given access to it.

Value

16an = Pseudonymised registered GP code

& = Unknown

Data cleaning

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HES field name	**Consultant code**
Field	consult
Class	Practitioner
Length and format	8an
Availability	From 1997-98

Description

The GMC code for the consultant, which identifies the consultant as an individual. Midwife and GP episodes are identified by a special code.

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

Value

8an = Consultant code

C9999998 = Consultant code not known

CD999998 = Dental consultant: General Medical Council (GMC) number / General Dental Council number not known

D9999998 = Dentist code not known

H9999998 = Other health care professional

M9999998 = Not applicable: midwife

N9999998 = Nurse

& = Not known

Data cleaning	Rules 420

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HES field name	**Pseudonymised consultant team code**
Field	pconsult
Class	Practitioner
Length and format	16an
Availability	

Description

A pseudonymised version of the General Medical Council (GMC) code for the consultant. The consultant code (consult) field contains the actual GMC code.

However, it is a sensitive field that requires the approval of the Database Monitoring Sub-Group before you can be given access to it.

Value

16an = Pseudonymised consultant team code

& = Not known

Data cleaning

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HES field name	**Referrer code**
Field	referrer
Class	Practitioner
Length and format	8an
Availability	From 1997-98

Description

The code for the person referring the patient. This may be the GMC code for the consultant, or the code that defines the practice of the patient's registered GMP or GDP.

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

Value

Cnnnnnnn = Consultant's GMC code

CD999998 = Dental consultant: General Medical Council (GMC) number / General Dental Council (GDC) number not known

Dnnnnnnn = Dentist's GMC code

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

X9999998 = Not applicable: no code available (referrer not a GMP, GDP or consultant or emergency admission not via GP or GP not located in England)

& = Not known

Data cleaning	Rule 410

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HES field name	**Pseudonymised referrer code**
Field	preferrer
Class	Practitioner
Length and format	16an
Availability	

Description

A pseudonymised version of the code of the person referring the patient. The person referring patient (referrer) field contains the actual codes.

However, it is a sensitive field that requires the approval of the Database Monitoring Sub-Group before you can be given access to it.

Value

16an = pseudonymised referrer code

& = Unknown

Data cleaning

HES field name	**Referring organisation code**
Field	referorg
Class	Practitioner
Length and format	6an
Availability	From 2002-03

Description

The organisation code of the organisation from which the referral is made, such as GP practice or NHS trust.

The referring organisation code (referorg) field contains sensitive data. Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

6an = Referring organisation code

X99998 = Not applicable

X99999 = Not known

Data cleaning	None

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Psychiatric

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HES field name	**Age at psychiatric census date**
Field	censage
Class	Psychiatric
Length and format	3n
Availability	

Description

This field is calculated from date of birth (dob) and the date of the psychiatric census (31 March every year).

It is only calculated for psychiatric census records
if the episode type is not for a formally detained patient (epitype is not 4) or one that was admitted more than one year previously, censage is null. The maximum permitted value is 120 years.

Value

3n = Age in years from 1 to 119 on the date of the annual psychiatric census

120 = 120 years or more on the date of the annual psychiatric census

null = Not applicable (epitype is not 4) / not known

Data cleaning	Not applicable (derived by rule 880)

HES field name	**Carer support indicator**
Field	carersi
Class	Psychiatric
Length and format	2n
Availability	From 1997-98

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

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HES field name	**Date detention commenced**
Field	detndate
Class	Psychiatric
Length and format	dd/mm/yyyy (Date)
Availability	

Description

For patients under a detention order at the date of the census, this field contains the date at which the first order commenced in the current continuous period of detention.

Where the detention order is held by a hospital other than where the patient is at the date of the census, the latter is responsible for obtaining information relating to the detention order, and submitting the data.

Value

dd/mm/yyyy = Date detention commenced

null = Not known / not applicable

Data cleaning	Rule 110

HES field name	**Date detention commenced check flag**
Field	det_cfl
Class	Psychiatric
Length and format	1n
Availability	

Description

Validation of date detention commenced.

Value

0 = Valid (or missing because not required)

1 = Missing

2 = Invalid

Data cleaning	Not applicable (derived by rule 110)

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HES field name	**Detention category**
Field	detncat
Class	Psychiatric
Length and format	1n
Availability	From 1999-00

Description

Indicates the legislation under which the patient was detained.

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

Value

0 = Informal, not formally detained

1 = Formally detained under Part II, Mental Health Act 1983

2 = Formally detained under Part III, Mental Health Act 1983, and other legislation

3 = Formally detained under Part X, Mental Health Act 1983

Data cleaning	Not applicable

HES field name	**Duration of care to psychiatric census date**
Field	cendur
Class	Psychiatric
Length and format	5n
Availability	

Description

Duration of care in days to the psychiatric census date.

This field is calculated from admidate (admission date) and the date of the psychiatric census (31 March every year). The maximum permitted value is 29,200 days (approximately 80 years).

Value

5n = Duration of stay in days at census date from 0 to 29,200

null = Not applicable (epitype is not 4) / not known

Data cleaning	Not applicable (derived by rule 870)

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HES field name	**Duration of detention**
Field	detdur
Class	Psychiatric
Length and format	5n
Availability	

Description
This derived field contains the number of days between the date the current detention commenced (detndate) and the date of the psychiatric census (31 March of cendate). The maximum period is 29,200 days (approximately 80 years).

Value
5n = Duration of detention in days at census date from 0 to 29,200 null = Not applicable (epitype is not 4) / not known

Data cleaning	Not applicable (derived by rule 890)

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HES field name	**Legal group of patient**
Field	legalgpa
Class	Psychiatric
Length and format	1n
Availability	From 2002-03

Description

This field contains a code that allocates the legal status of a patient to one of eight groups. (An aggregation of legal status of a patient on admission, leglcat.)

The legal group of patient (legalgpa) field contains sensitive data. Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

0 = Not formally detained (Leglcat is 01 or spaces)

1 = Formally detained under Part II, Sections 2 to 34 of the Mental Health Act 1983 (Leglcat is 02 to 06, or 2 to 6)

2 = Formally detained under Part III, Sections 35 to 55 of the Mental Health Act 1983, or previous legislation (Leglcat is 07 to18, 30 to 32, 34 or 7 to 9)

3 = Formally detained under Part X, Sections 131 to 149 of the Mental Health Act 1983 (Leglcat is 19 or 20)

4 = Supervised discharge under the Mental Health Act 1995 (Leglcat is 33)

5 = Guardianship (Sections 7 & 37) under the Mental Health Act 1983 (Leglcat is 35 or 36)

Not applicable = ie home births/deliveries where epitype is 5 or 6

Not known = any other value for leglcat

Data cleaning	Not applicable (derived by rule 1135)

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HES field name	**Legal group of patient (psychiatric)**
Field	legalgpc
Class	Psychiatric
Length and format	1n
Availability	From 2002-03

Description

Legal group of patient, an aggregation of legal status of a patient on psychiatric census date, leglstat.

This field contains a code that allocates the legal status of a patient to one of eight groups.

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

Value

0 = Legal status on psychiatric census date is not formally detained, leglstat =01 or spaces

1 = Legal status on psychiatric census date, leglstat = 02-06 or space2-space6: Formally detained under Part II (Section 2-34) of the Mental Health Act 1983

2 = Legal status on admission, leglcat = 07-18, 30-32, 34 or space7-space9: Formally detained under Part III (Section 35-55) of the Mental Health Act 1983, or previous legislation

3 = Legal status on admission, leglcat = 19-20: Formally detained under Part X (Sections 131-149) of the Mental Health Act 1983

4 = Legal status on admission, leglcat = 33: Supervised discharge under the Mental Health Act 1995

5 = Legal status on admission, leglcat = 35, 36: Guardianship (Sections 7 & 37) under the Mental Health Act 1983

8 = Not applicable ie home births/deliveries, where epitype = 5/6

10 = Not known: any other value for leglstat.

Data cleaning	Not applicable (derived by rule 895)

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HES field name	**Legal status classification**
Field	leglstat
Class	Psychiatric
Length and format	2n
Availability	

Description

This field contains a code which defines the legal status of all formally and informally detained patients at the date of the census.

An informally detained patient is one who is not formally detained, but has been in hospital for a year or more in the care of a consultant in the psychiatric specialties. It is only for unfinished records of of episode type 4.

The Legal status classification (leglstat) field contains sensitive data. Access to it requires the approval of the Database Monitoring Sub-Group (DMSG).

Value

01 = Informal
02 = Formally detained under the Mental Health Act, Section 2
03 = Formally detained under the Mental Health Act, Section 3
04 = Formally detained under the Mental Health Act, Section 4
05 = Formally detained under the Mental Health Act, Section 5(2)
06 = Formally detained under the Mental Health Act, Section 5(4)
07 = Formally detained under the Mental Health Act, Section 35
08 = Formally detained under the Mental Health Act, Section 36
09 = Formally detained under the Mental Health Act, Section 37 with Section 41 restrictions
10 = Formally detained under the Mental Health Act, Section 37 excluding Section 37(4)
11 = Formally detained under the Mental Health Act, Section 37(4)
12 = Formally detained under the Mental Health Act, Section 38
13 = Formally detained under the Mental Health Act, Section 44
14 = Formally detained under the Mental Health Act, Section 46
15 = Formally detained under the Mental Health Act, Section 47 with Section 49 restrictions
16 = Formally detained under the Mental Health Act, Section 47
17 = Formally detained under the Mental Health Act, Section 48 with Section 49 restrictions
18 = Formally detained under the Mental Health Act, Section 48
19 = Formally detained under the Mental Health Act, Section 135
20 = Formally detained under the Mental Health Act, Section 136
30 = Formally detained under the previous legislation (fifth schedule)
31 = Formally detained under Criminal Procedure (Insanity) Act 1964 as amended by the Criminal Procedures (Insanity and Unfitness to Plead) Act 1991
32 = Formally detained under other Acts
33 = Supervised discharge under the Mental Health (Patients in the Community) Act 1995
34 = Formally detained under the Mental Health Act, Section 45A
35 Subject to guardianship under Mental Health Act Section 7
36 Subject to guardianship under Mental Health Act Section 37
98 = Not applicable
99 = Not known

Data cleaning	None

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HES field name	**Marital status (psychiatric)**
Field	marstat
Class	Psychiatric
Length and format	1an
Availability	

Description

This field contains a code that defines a patient's marital status where the consultant's specialty (mainspef) is one of the psychiatric specialties.

Although the numerical codes were retired on 1/10/2006, these are still flowing so both sets of codes are seen.

Value

8 = Not applicable.

From 1/10/2006 onwards:

S = Single
M = Married/Civil Partner
D = Divorced/Person whose Civil Partnership has been dissolved
W = Widowed/Surviving Civil Partner
P = Separated
N = Not disclosed.

Prior to 1/10/2006:

1 = Single
2 = Married, including separated
3 = Divorced
4 = Widowed
9 = Not known

Data cleaning	Rule 355

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HES field name	**Mental category**
Field	mentcat
Class	Psychiatric
Length and format	1n
Availability	

Description

This field contains a code which defines the mental categories of a patient in accordance with the designations in the Mental Health Act 1983.

A patient should be included in only one mental category. If a patient has been assigned to more than one mental category, mental illness takes precedence over the others, and mental impairment or severe mental impairment takes precedence over psychopathic disorder.

Value

1 = Mental illness

2 = Mental impairment

3 = Severe mental impairment

4 = Psychopathic disorder

5 = Other (from 1995-96)

8 = Not applicable

9 = Not known

Data cleaning	None

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HES field name	**Psychiatric history on admission**
Field	admistat
Class	Psychiatric
Length and format	1n
Availability	From 1996-97

Description

This field contains a code which identifies previous psychiatric care for psychiatric patients.

It applies only to patients admitted or transferred to a consultant in one of the psychiatric specialties during a spell in hospital. It is recorded for the first such consultant episode but not for subsequent psychiatric consultant episodes or any non-psychiatric episodes.

This field is used to indicate the turnover for psychiatric patients, and identify first time psychiatric admissions and re-admissions. Where a patient has a history of admission to several hospital providers, priority is given to the current hospital provider (code 1), regardless of whether the preceding admission was to the same hospital provider.

This field replaces special (UK NHS specific) diagnosis codes commencing U69 (1 April 1989 to 31 March 1995) and U51 (1 April 1995 to 31 march 1996), and also the HES derived V code indicator data item.

Value

0 = No known previous hospital provider spell with a consultant episode having a psychiatric specialty within any health care provider

1 = One or more previous hospital provider spells with a consultant episode having a psychiatric specialty within this health care provider

2 = One or more previous hospital provider spells with a consultant episode having a psychiatric specialty within another health care provider, but none with this healthcare provider

8 = Not applicable: the patient is not receiving admitted patient care under a consultant in a psychiatric specialty

9 = Not known: the patient is receiving admitted patient care under a consultant in a psychiatric specialty but the information is not available. This constitutes a validation error

Data cleaning	Rule 380

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HES field name	**Status of patient included in psychiatric census**
Field	censtat
Class	Psychiatric
Length and format	1n
Availability	

Description

This field contains a code which defines the legal status of the patient. It is derived from legal status (leglstat) and the length of stay recorded for the current spell.

Value

1 = Detained patient

2 = Long term patient

3 = Detained and long term patient

null = Not applicable (1990-91 to 1995-96)

Data cleaning	Not applicable

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HES field name	V code indicator
Field	vind
Class	Psychiatric
Length and format	1n
Availability	

Description

This derived field contains a code that indicates whether any of the diagnosis fields (diag_01 to diag_07) contains a valid V code (see diag_nn).

For 1995-1996 only, U codes replaced the V codes. Although classed as psychiatric data, values 1 to 3 indicate the level of neonatal care for a patient aged under 29 days.

Value

From 1989-90:

1 = V290 - Neonate: normal care usually given by a mother in a maternity neonatal ward, supervised by a midwife and doctor but requiring minimal medical or nursing advice

2 = V291 - Neonate: special care which provided observation and treatment falling short of intensive care but exceeding routine care

3 = V292 - Neonate: intensive care which involved continuous skills supervision by nursing and medical staff for at least one hour or until death. Resuscitation carried out immediately after birth and completed within an hour or so does not constitute intensive care

4 = V690 - Psychiatric: not previously known to be admitted to a psychiatric hospital or hospital unit

5 = V691 - Psychiatric: previously admitted to a psychiatric hospital or hospital unit of the provider

6 = V692 - Psychiatric: previously admitted to a psychiatric hospital or a hospital unit of another provider

For the 1995-96 year only, the codes were changed to the following (see above for definitions):

V290 became U500

V291 became U501

V292 became U502 or U503 (U502 denoting a level of care higher than that previously denoted by V291 but falling short of the highest, for which U503 was used)

V690 became U510

V691 became U511

V692 became U512

From 1996-97 this field was replaced by neocare and admistat.

Data cleaning	Not applicable

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HES field name	**Ward type at psychiatric census date**
Field	cenward
Class	Psychiatric
Length and format	7n
Availability	

Description

This field contains a code which defines the characteristics of a ward. The code has six parts: AABCDEF.

Value

A is as follows:

71 = Home leave, non-psychiatric

72 = Home leave, psychiatric

B is age as follows:

1 = Neonates

2 = Children and adolescents

3 = Elderly

8 = Any age

9 = Invalid

C is sex as follows:

1 = Male

2 = Female

8 = Not specified

9 = Invalid

D is the hospital provider as follows:

1 = NHS hospital provider

2 = Non-NHS hospital provider

9 = Invalid

E is the number of days in a week that the ward is open only during the day.

F is the number of days in a week that the ward is open at night.

Data cleaning	None

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Socio-economic

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HES field name	IMD Barriers to Housing and Service Domain
Field	imd04hs
Class	Socio-economic
Length and format	4n
Availability	

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 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. This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

4n = IMD Barriers to Housing and Services Domain value

Data cleaning

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HES field name	**IMD Crime Domain**
Field	imd04c
Class	Socio-economic
Length and format	3n
Availability	

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

This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

3n = IMD Crime Domain value

Data cleaning

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HES field name	**IMD Decile Group**
Field	imd04_decile
Class	Socio-economic
Length and format	20an
Availability	

Description

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.

This IMD version was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

Between 1 and 3248 = Most deprived 10%

Between 3249 and 6496 = More deprived 10-20%

Between 6497 and 9745 = More deprived 20-30%

Between 9746 and 12993 = More deprived 30-40%

Between 12994 and 16241 = More deprived 40-50%

Between 16242 and 19489 = Less deprived 40-50%

Between 19490 and 22737 = Less deprived 30-40%

Between 22738 and 25986 = Less deprived 20-30%

Between 25987 and 29234 = Less deprived 10-20%

Between 29235 and 32482 = Least deprived 10%

Data cleaning

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HES field name	**IMD Education Training and Skills Domain**
Field	imd04ed
Class	Socio-economic
Length and format	4n
Availability	

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 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.

This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

4n = IMD Education, Skills and Training Domain value

Data cleaning

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HES field name	**IMD Employment Deprivation Domain**
Field	imd04em
Class	Socio-economic
Length and format	3n
Availability	

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 Employment Deprivation Domain.

This domain measures employment deprivation conceptualised as involuntary exclusion of the working age population from the world of work.

This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

3n = IMD Health and Disability Domain value

Data cleaning

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HES field name	**IMD Health and Disability Domain**
Field	imd04hd
Class	Socio-economic
Length and format	3n
Availability	

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

This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

3n = IMD Health and Disability Domain value

Data cleaning

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HES field name	**IMD Income Affecting Children Domain**
Field	imd04ic
Class	Socio-economic
Length and format	3n
Availability	

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 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.

This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

3n = IMD Income Affecting Children Index value

Data cleaning

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HES field name	**IMD Income Affecting Adults Domain**
Field	imd04ia
Class	Socio-economic
Length and format	3n
Availability	

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 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 Area's population aged 60 and over who are claiming Income Support or Job Seeker's Allowance.

This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

3n = IMD Income Affecting Adults Index value

Data cleaning

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HES field name	**IMD Income Domain**
Field	imd04i
Class	Socio-economic
Length and format	3n
Availability	

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

This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

3n = IMD Income Domain value

Data cleaning

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HES field name	**IMD Living Environment Domain**
Field	imd04le
Class	Socio-economic
Length and format	4n
Availability	

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

This version of the Index was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

4n = IMD Living Environment Domain value

Data cleaning

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HES field name	**IMD Overall Rank**
Field	imd04rk
Class	Socio-economic
Length and format	5n
Availability	

Description

The IMD overall ranking is made by combining the seven IMD Domain scores using the following weights:

- 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%)

The SOA (Super Output Area) with a rank of 1 is the most deprived, and 32482 the least deprived, on this overall measure.

This IMD version was first published in 2004.

See *The English Indices of Deprivation 2004: Summary (revised)* report [http://www.communities.gov.uk/documents/communities/pdf/131206.pdf] for further details.

Value

5n = IMD Overall Ranking

Data cleaning

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HES field name	CDS extract date
Field	cdsextdate
Class	System
Length and format	dd/mm/yyyy (Date)
Availability	2007-08, Quarter 3 onwards
Description	
CDS extract date.	
Value	
dd/mm/yyyy	
Data cleaning	Data not cleaned

HES field name	CDS version number
Field	cdsversion
Class	System
Length and format	6an
Availability	2007-08, Quarter 3 onwards
Description	
The version of the commissioning data set (CDS) being used.	
Value	
6an = CDS version number	
Data cleaning	Data not cleaned

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HES field name	CDS protocol identifier
Field	cdsverprotid
Class	System
Length and format	3an
Availability	2007-08, Quarter 3 onwards
Description	
CDS Protocol ID.	
Value	
3an = CDS Protocol Identifier	
Data cleaning	Data not cleaned

HES field name	CDS unique identifier
Field	cdsuniqueid
Class	System
Length and format	35an
Availability	2007-08, Quarter 3 onwards
Description	
CDS unique identifier.	
Value	
35an = CDS Unique identifier	
Data cleaning	Data not cleaned

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HES field name	**Combined grossing factor**
Field	gross_b
Class	System
Length and format	7n
Availability	

Description

This field contains a value, calculated to four decimal places, that combines administrative (coverage) grossing (the value contained in data item gross_a) and clinical grossing. Clinical grossing compensates for the under counting of diagnoses or operations that occurs where cases contain a not known diagnosis code.

The diagnostic data in a predefined group is analysed to ascertain the proportion of records that do not have a valid primary diagnosis. This shortfall in diagnostic coding is used to calculate a compensating factor.

The clinical factor is multiplied by the value in gross_a to produce the combined grossing factor, gross_b. The default value for this field is 1.0000. It is overwritten when clinical grossing is selected.

Value

nn.nnnn = Combined grossing factor

Data cleaning	Not applicable

HES field name	**Coverage grossing factor**
Field	gross_a
Class	System
Length and format	7n
Availability	

Description

This field contains a value that compensates for missing or additional HES records.

The number of finished HES records in a predefined group are compared with the number for the same group reported from another source (currently the HES Activity Count).

The ratio between the two provides a correction factor that can be applied to HES data. The default value for this field is 1.0000.

Value

nn.nnnn = Coverage grossing factor

Data cleaning	Not applicable

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HES field name	**Date data received**
Field	subdate
Class	System
Length and format	dd/mm/yyyy (Date)
Availability	From 2000-01

Description

Date on which the data used to generate the HES record was received by the Secondary Uses Service (or the NHS-Wide Clearing Service (NWCS) prior to December 2006).

Value

dd/mm/yyyy = Date data received

Data cleaning	Data not cleaned

HES field name	**Ethnic category (audit version)**
Field	ethrawl
Class	System
Length and format	1an
Availability	

Description

Ethnic category is supplied by the trusts as a two-character field. The left-hand character should contain the national code. A copy of the raw data found in the left hand character is held in ethraw.

Value

9 = Not Known (if ethraw also = 9)

Data cleaning	None

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HES field name	**Ethnic character (audit version)**
Field	ethraw
Class	System
Length and format	1a
Availability	

Description

Ethnic character is supplied by the trusts as a two-character field. Ethraw contains the left-hand character.

The right hand character being available for local use. A copy of the raw data found in the right hand character is held in ethrawl.

Value

A = British (white)

B = Irish (white)

C = Any other white background

D = White and Black Caribbean (mixed)

E = White and Black African (mixed)

F = White and Asian (mixed)

G = Any other mixed background

H = Indian (Asian or Asian British)

J = Pakistani

K = Bangladeshi (Asian or Asian British)

L = Any other Asian background

M = Caribbean (Black or Black British)

N = African (Black or Black British)

P = Any other Black background

R = Chinese (other ethnic group)

S = Any other ethnic group

X = Not known

Z = Not stated

Data cleaning	None

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HES field name	NHS number status indicator
Field	nhsnoind
Class	System
Length and format	2n
Availability	From 2002-03

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 needed

08 = Trace postponed (baby under six-weeks old)

91 = Patient identity withheld (derived from SUS if not equal to 90) (from 2009-10 onwards)

Data cleaning	None

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HES field name	**Origin of primary care group**
Field	pcgorig
Class	System
Length and format	1n
Availability	From 1999-00 to 2005-06

Description

This derived field indicates the basis on which the primary care group (PCG) code was assigned.

Value

1 = GPPRAC was used to derive the code

2 = REGGMP was used to derive the code

3 = PURCODE was used to derive the code

4 = POSTCODE was used to derive the code

5 = POSTCODE allocated code, PCG code was blank

6 = POSTCODE allocated code, PCG code was 49998

9 = PCG code not known

Data cleaning	Not applicable (derived by rule 1160)

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HES field name	**Origin of primary care trust of responsibility**
Field	pctorig
Class	System
Length and format	1n
Availability	From 1997-98 to 2005-06

Description

This derived field indicates the basis on which the primary care trust (PCT) of responsibility code was assigned.

Value

1 = GPPRAC was used to derive the code

2 = REGGMP was used to derive the code

3 = PURCODE was used to derive the code

4 = POSTCODE was used to derive the code

5 = POSTCODE allocated code, PCT code was blank

6 = POSTCODE allocated code, PCT code

9 = PCT code not known

Data cleaning	Not applicable (derived by rule 1160)

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HES field name	**Origin of primary care trust of responsibility - historic**
Field	pctorig02
Class	System
Length and format	1n
Availability	From 2006-07

Description

This derived field indicates the basis on which the primary care trust (PCT) of responsibility code was assigned.

Value

1 = GPPRAC was used to derive the code

2 = REGGMP was used to derive the code

3 = PURCODE was used to derive the code

4 = POSTCODE was used to derive the code

5 = POSTCODE allocated code, PCT code was blank

6 = POSTCODE allocated code, PCT code was 59998

9 = PCT code not known

Data cleaning	Not applicable

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HES field name	**Origin of primary care trust of responsibility - current**
Field	pctorig06
Class	System
Length and format	1n
Availability	From 2006-07

Description

This derived field indicates the basis on which the primary care trust (PCT) of responsibility code was assigned.

Value

1 = GPPRAC was used to derive the code

2 = REGGMP was used to derive the code

3 = PURCODE was used to derive the code

4 = POSTCODE was used to derive the code

5 = POSTCODE allocated code, PCT code was blank

6 = POSTCODE allocated code, PCT code was 59998

9 = PCT code not known

Data cleaning	Not applicable

HES field name	**Patient identifier (HES generated) - basis of match**
Field	matchid
Class	System
Length and format	1n
Availability	From 1997-98

Description

This field indicates the basis on which the HES ID was allocated.

Value

Data cleaning	Not applicable

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HES field name	Record identifier
Field	epikey
Class	System
Length and format	8n
Availability	

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

Value
8n = Record identifier

Data cleaning	Not applicable

HES field name	SUS loaded staging date
Field	suslddate
Class	System
Length and format	dd/mm/yyyy (Date)
Availability	2007-08, Quarter 3 onwards

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

Value
dd/mm/yyyy = SUS loaded staging date

Data cleaning	Data not cleaned

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HES field name	SUS record id
Field	susrecid
Class	System
Length and format	14n
Availability	2007-08, Quarter 3 onwards
Description	
SUS generated record identifier.	
Value	
14n = SUS record ID	
Data cleaning	Data not cleaned

HES field name	SUS generated Spell ID
Field	susspellid
Class	System
Length and format	10n
Availability	From 2009-10
Description	
SUS generated Spell ID	
Value	
10n = SUS spell ID Null = Records that have excluded from PbR in SUS as the activity is outside the scope of PbR	
Data cleaning	Data not cleaned

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