

## Annex B: Additional technical information

### 1. Data to be received by NHS Digital under this agreement

No cohort data will be provided by the customer to NHS Digital

### 2. NHS Digital data covered by this agreement

A summary of the datasets covered by this agreement is shown in section 3 above.

#### 2a. Data already held

- Hospital Episode Statistics Admitted Patient Care

##### Periods

1998-1999  
1999-2000  
2000-2001  
2001-2002  
2002-2003  
2003-2004  
2004-2005  
2005-2006  
2006-2007  
2007-2008  
2008-2009  
2009-2010  
2010-2011  
2011-2012  
2012-2013  
2013-2014  
2014/15\_M13

##### Sensitive fields

##### Identifiable fields

##### Other fields

[ACPDISP\_N] Augmented care period disposal,  
[ACPDQIND\_N] Augmented care period data quality indicator,  
[ACPEND\_N] Augmented care period end date,  
[ACPLOC\_N] Augmented care location,  
[ACPN\_N] Augmented care period number,  
[ACPOUT\_N] Augmented care period outcome indicator,  
[ACPPLAN\_N] Augmented care period planned indicator,  
[ACPSOUR\_N] Augmented care period source,  
[ACPSPEF\_N] Augmented care period speciality function code,  
[ACPSTAR\_N] Augmented care period start date,  
[ADMIDATE] Date of admission,  
[ADMIMETH] Method of admission,  
[ADMINCAT] Administrative category,  
[ADMISORC] Source of admission,  
[BEDYEAR] Bed days within the year,  
[CATEGORY] Administrative & legal status of patient,  
[CAUSE] Cause code,  
[CAUSE\_3] Cause code - 3 characters,

[CAUSE\_4] Cause code - 4 characters,  
[CLASSPAT] Patient classification,  
[CSNUM] Commissioning serial number,  
[CURRWARD] Current electoral ward,  
[DEPDAYS\_N] High-dependency care level,  
[Diag\_3\_01] Primary Diagnosis - 3 characters,  
[Diag\_4\_01] Primary Diagnosis - 4 characters,  
[DIAG\_NN] All Diagnosis codes,  
[DISDATE] Date of discharge,  
[DISDEST] Destination on discharge,  
[DISMETH] Method of discharge,  
[DISREADYDATE] Discharge ready date,  
[DOMPROC] Trust derived dominant procedure,  
[ELECDATE] Date of decision to admit,  
[ELECDUR] Waiting time,  
[ENCRYPTED\_HESID] Encrypted HESID,  
[ENDAGE] Age at end of episode,  
[EPIDUR] Episode duration,  
[EPIEND] Date episode ended,  
[EPIKEY] Record identifier,  
[EPIORDER] Episode order,  
[EPISTART] Date episode started,  
[EPISTAT] Episode status,  
[EPITYPE] Episode type,  
[ETHNOS] Ethnic category,  
[FIRSTREG] First regular day or night admission,  
[GORTREAT] Government office region of treatment,  
[GPPRAC] Code of GP practice,  
[GPPRACHA] Health Authority area where patient's GP is registered,  
[GPPRACRO] Regional Office area where patient's GP was registered,  
[GPPRPCT] Primary Care Trust area where patient's GP was registered,  
[GPPRSTHA] Strategic Health Authority area where patient's GP was registered,  
[HATREAT] Health Authority of treatment,  
[HRGLATE35] Healthcare resource group: version 3.1,  
[HRGNHS] Trust derived HRG value,  
[HRGNHSV] Version No. of Trust derived HRG,  
[IMD04] IMD Index of Multiple Deprivation,  
[IMD04\_DECILE] IMD Decile Group,  
[IMD04C] IMD Crime Domain,  
[IMD04ED] IMD Education Training and Skills Domain,  
[IMD04EM] IMD Employment Deprivation Domain,  
[IMD04HD] IMD Health and Disability Domain,  
[IMD04HS] IMD Barriers to Housing and Service Domain,  
[IMD04I] IMD Income Domain,  
[IMD04IA] IMD Income affecting Adults Domain,  
[IMD04IC] IMD Income affecting Children Domain,  
[IMD04LE] IMD Living Environment Domain,  
[IMD04RK] IMD Overall Rank,  
[INTDAYS\_N] Intensive care level days,  
[INTMANIG] Intended management,  
[LSOA01] Lower Super Output Area (LSOA01),  
[MAINSPEF] Main specialty,  
[MSOA01] Middle Super Output Area, 2001,  
[MYDOB] Date of Birth - month and year,  
[NEODUR] Age of baby in days,  
[NHSNOIND] NHS number status indicator,  
[NUMACP] Number of augmented care periods within episode,  
[OACODE6] Census Output Area, 2001 (6 character),  
[OPCS43] OPCS4.3 version flag,

[OPDATE\_NN] Date of operation,  
[OPERSTAT] Operation status code,  
[OPERTN\_3\_01] Primary Operative procedure codes 3 character,  
[OPERTN\_NN] Primary Operative Procedure Codes ,  
[ORGSUP\_N] Number of organ systems supported,  
[PCGCODE] Primary care group,  
[PCGORIG] Origin of primary care group,  
[PCONSULT] Pseudonymised consultant team code,  
[PCTCODE02] Primary care trust of responsibility - historic,  
[PCTCODE06] Primary care trust of responsibility - current,  
[PCTNHS] Primary care trust of responsibility - NHS,  
[PCTORIG02] Origin of primary care trust of responsibility - historic,  
[PCTORIG06] Origin of primary care trust of responsibility - current,  
[PCTTREAT] Primary Care Trust area of main provider,  
[POSOPDUR] Post-operative duration,  
[POSTDIST] Postcode district of patient's residence,  
[PREFERER] Pseudonymised referrer code,  
[PREGGMP] Pseudonymised code of patient's registered or referring general medical practitioner,  
[PREOPDUR] Pre-operative duration,  
[PROCEDURE] Organisation code (code of provider),  
[PROCEDURE3] Provider code - 3 character,  
[PROCEDURET] Provider code,  
[PROTYPE] Provider type,  
[PROVSPNOPS] Pseudonymised hospital provider spell number,  
[PURCODE] Commissioner code,  
[PURRO] Commissioner's Regional Office,  
[PURSTHA] Commissioner's Strategic Health Authority,  
[PURVAL] Commissioner code status,  
[REFERORG] Referring organisation code,  
[RESCTY] County of residence,  
[RESGOR] Government office region of residence,  
[RESHA] Health Authority of residence,  
[RESLADST] Local authority district,  
[RESLADST] Local authority district,  
[RESLADST] Local authority district,  
[RESLADST] Local authority district,  
[RESPCT02] Patient's Primary Care Trust of residence - historic,  
[RESPCT06] Patient's Primary Care Trust of residence – current,  
[RESRO] Regional Office of residence,  
[RESSTHA02] Patient's Strategic Health Authority of residence - historic,  
[RESSTHA06] Patient's Strategic Health Authority of residence - current,  
[ROTREAT] Region of treatment,  
[RURURB\_IND] Rural/Urban Indicator,  
[SEX] Sex of patient,  
[SITETRET] Site code of treatment,  
[SPELBGIN] Beginning of spell,  
[SPELDUR] Duration of spell,  
[SPELEND] End of spell,  
[STARTAGE] Age at start of episode,  
[STHATRET] Strategic Health Authority area of treatment,  
[SUBDATE] Submission date,  
[SUSCOREHRG] SUS generated Core Spell HRG,  
[SUSHRG] SUS generated HRG,  
[SUSHRGVERS] SUS generated HRG version number,  
[SUSRECID] SUS record id,  
[SUSSPELLID] SUS generated spell id,  
[TRETSPEF] Treatment specialty,  
[WARD91] Electoral ward in 1991,  
[WARDSTRT] Ward type at start of episode

## Filters/minimisation efforts

Healthcare Resource Groups (HRG) relating to vascular procedures and intracranial procedures except trauma. Only 20% of available fields requested.

## Data Transfer Method

- Hospital Episode Statistics Critical Care

### Periods

2008-2009  
2009-2010  
2010-2011  
2011-2012  
2012-2013  
2013-2014  
2014/15\_M13

### Sensitive fields

### Identifiable fields

### Other fields

[acardsupdays] Advanced cardiovascular support days,  
[aressupdays] Advanced respiratory support days,  
[bcardsupdays] Basic cardiovascular support days,  
[bestmatch] Best match flag,  
[bressupdays] Basic respiratory support days,  
[ccadmisorc] Critical care admission source,  
[ccadmitype] Critical care admission type,  
[ccapcrel] Critical care APC relationship,  
[ccdisdate] Critical care discharge date,  
[ccdisdest] Critical care discharge destination,  
[ccdisloc] Critical care discharge location,  
[ccdisrdydate] Critical care discharge ready date,  
[ccdisrdytime] Critical care discharge ready time,  
[ccdisstat] Critical care discharge status,  
[ccdistime] Critical care discharge time,  
[cclev2days] Critical care level 2 days,  
[cclev3days] Critical care level 3 days,  
[ccsorcloc] Critical care source location,  
[ccstartdate] Critical care start date,  
[ccstarttime] Critical care start time,  
[ccunitfun] Critical care unit function,  
[dermsupdays] Dermatological support days,  
[gisupdays] Gastro-intestinal support days,  
[liversupdays] Liver support days,  
[neurosupdays] Neurological support days,  
[orgsupmax] Organ support maximum,  
[rensupdays] Renal support days,  
[susrecid] SUS record ID,  
[unitbedconfig] Critical care unit bed configuration

## Filters/minimisation efforts

Healthcare Resource Groups (HRG) relating to vascular procedures and intracranial procedures except trauma. Only 69% of available fields requested.

## Data Transfer Method

- **Hospital Episode Statistics Outpatients**

**Periods**

2003-2004  
2004-2005  
2005-2006  
2006-2007  
2007-2008  
2008-2009  
2009-2010  
2010-2011  
2011-2012  
2012-2013  
2013-2014  
2014/15\_M13

**Sensitive fields**

**Identifiable fields**

**Other fields**

[ADMINCAT] Administrative category,  
[APPTAGE] Age on day of appointment,  
[APPTDATE] Appointment date,  
[ATENTYPE] Attendance type,  
[ATTENDED] Attended or did not attend,  
[ATTENDKEY] Record identifier,  
[BABYAGE] Age of Baby,  
[CARERSI] Carer support indicator,  
[CSNUM] Commissioning serial number,  
[CURRWARD] Current electoral ward,  
[DIAG\_3\_01] Primary diagnosis - 3 character,  
[DIAG\_4\_01] Primary diagnosis - 4 character,  
[DIAG\_4\_NN] Secondary diagnosis - 4 character,  
[DIAG\_NN] Diagnosis,  
[DNADATE] Last DNA or patient cancelled date,  
[ENCRYPTED\_HESID] Encrypted HESID,  
[ETHNOS] Ethnic category,  
[ETHRAWL] Ethnic category (audit version),  
[FIRSTATT] First attendance,  
[GORTREAT] Government office region of treatment,  
[GPPRAC] Code of GP practice,  
[GPPRACHA] Health Authority area where patient's GP is registered,  
[GPPRACRO] Regional office area where patient's GP practice was registered,  
[GPPRPCT] Primary Care Trust area where patient's GP was registered,  
[GPPRSTHA] Strategic health authority area where patient's GP practice was registered,  
[HATREAT] Health authority of treatment,  
[HRGNHS] Trust derived HRG value,  
[HRGNHSV] Version No. of Trust derived HRG,  
[IMD04C] IMD Crime Domain,  
[IMD04ED] IMD Education, Skills and Training Domain,  
[IMD04HD] IMD Health and Disability Domain,  
[IMD04HS] IMD Barriers to Housing and Services Domain,  
[IMD04I] IMD Income Domain,  
[IMD04IA] IMD Income Affecting Older People Index,  
[IMD04IC] IMD Income Affecting Children Index,  
[IMD04LE] IMD Living Environment Domain,

[IMD04RK] IMD Overall Ranking,  
[LSOA01] Lower Super Output Area (LSOA01),  
[MAINSPEF] Main specialty,  
[MARSTAT] Marital Status,  
[MSOA01] Middle Super Output Area, 2001,  
[MYDOB] Date of Birth - month and year,  
[NHSNOIND] NHS number status indicator,  
[OACODE6] Census output area, 2001 (6 character),  
[OPERSTAT] Operation status code,  
[OPERTN\_3\_01] Primary operation - 3 character,  
[OPERTN\_3\_NN] Secondary operations - 3 character,  
[OPERTN\_NN] Operative procedure,  
[OUTCOME] Outcome of attendance,  
[PCONSULT] Pseudonymised consultant team code,  
[PCTCODE02] Primary care trust of responsibility - historic,  
[PCTCODE06] Primary care trust of responsibility - current,  
[PCTNHS] Primary care trust of responsibility - NHS,  
[PCTORIG02] Origin of primary care trust of responsibility - historic,  
[PCTORIG06] Origin of primary care trust of responsibility - current,  
[PCTTREAT] Primary Care Trust area of main provider,  
[POSTDIST] Postcode district of patient's residence,  
[PREFERER] Pseudonymised referrer code,  
[PREGGMP] Pseudonymised Code of patient's registered or referring general medical practitioner,  
[primerecp] primerecp,  
[PRIORITY] Priority type,  
[PROCODE] Organisation code (code of provider),  
[PROCODE3] Provider code (3 character),  
[PROCODET] Provider code,  
[PROTYPE] Provider type,  
[PURCODE] Commissioner code,  
[PURSTHA] Commissioner's strategic health authority,  
[PURVAL] Commissioner code status,  
[REFERORG] Referring organisation code,  
[REFSOURC] Source of referral,  
[REQDATE] Referral request received date,  
[RESCTY] County of residence,  
[RESGOR] Government office region of residence,  
[RESHA] Health authority of residence,  
[RESLADST] Local authority district of residence,  
[RESPCT02] Patient's Primary Care Trust of residence - historic,  
[RESPCT06] Patient's Primary Care Trust of residence – current,  
[RESRO] Region of residence,  
[RESSTHA02] Patient's Strategic Health Authority of residence - historic,  
[RESSTHA06] Patient's Strategic Health Authority of residence - current,  
[ROTREAT] Region of treatment,  
[RTTPEREND] RTT period end date,  
[RTTPERSTART] RTT period start date,  
[RURURB\_IND] Rural / urban indicator,  
[SENDER] SENDER,  
[SERVTYPE] Service type requested,  
[SEX] Sex of patient,  
[STAFFTYP] Medical staff type seeing patient,  
[STHATRET] Strategic health authority area of treatment,  
[SUSHRG] SUS generated HRG,  
[SUSHRGVERS] SUS generated HRG version number,  
[TRETSPPEF] Treatment specialty,  
[WAIT\_IND] Waiting calculation indicator,  
[WAITING] Days waiting,  
[WARD91] Electoral ward in 1991

**Filters/minimisation efforts**

Healthcare Resource Groups (HRG) relating to vascular procedures and intracranial procedures except trauma. Only 31% of available fields requested.

**Data Transfer Method**

- **HES:Civil Registration (Deaths) bridge**

**Periods**

Latest available release

**Sensitive fields**

**Identifiable fields**

**Other fields**

**Filters/minimisation efforts**

**Data Transfer Method**

- **Civil Registration (Deaths) - Secondary Care Cut**

**Periods**

1999-2000  
2000-2001  
2001-2002  
2002-2003  
2003-2004  
2004-2005  
2005-2006  
2006-2007  
2007-2008  
2008-2009  
2009-2010  
2010-2011  
2011-2012  
2012-2013  
2013-2014  
2014-2015

**Sensitive fields**

[cause\_of\_death] Original Underlying Cause of Death,  
[death\_record\_used] Death Record Used,  
[dod] Date of Death,  
[dor] Date of Registration,  
[resptc] Primary Care Trust of usual residence of deceased,  
[resstha] Strategic Health Authority of usual residence of deceased,  
[sex] Sex,  
[subsequent\_activity] Subsequent activity

**Identifiable fields**

[dod] Date of Death

**Other fields**

## Filters/minimisation efforts

Where DOD between '2014-03-14' AND '2018-03-31' and patient is present in the HES data-set

## Data Transfer Method

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## 2b. Additional data provided under this agreement

- **Hospital Episode Statistics Admitted Patient Care**

### Periods

2014/15  
2015/16  
2016/17  
2017/18

### Sensitive fields

### Identifiable fields

### Other fields

[ACPDISP\_N Augmented care period disposal,  
[ACPDQIND\_N Augmented care period data quality indicator,  
[ACPEND\_N Augmented care period end date,  
[ACPLOC\_N Augmented care location,  
[ACPN\_N Augmented care period number,  
[ACPOUT\_N Augmented care period outcome indicator,  
[ACPPLAN\_N Augmented care period planned indicator,  
[ACPSOUR\_N Augmented care period source,  
[ACPSPEF\_N Augmented care period speciality function code,  
[ACPSTAR\_N Augmented care period start date,  
[ADMIDATE Date of admission,  
[ADMIMETH Method of admission,  
[ADMINCAT Administrative category,  
[ADMISORC Source of admission,  
[BEDYEAR Bed days within the year,  
[CATEGORY Administrative & legal status of patient,  
[CAUSE Cause code,  
[CAUSE\_3 Cause code - 3 characters,  
[CAUSE\_4 Cause code - 4 characters,  
[CLASSPAT Patient classification,  
[CSNUM Commissioning serial number,  
[CURRWARD Current electoral ward,  
[DEPDAYS\_N High-dependency care level,  
[Diag\_3\_01 Primary Diagnosis - 3 characters,  
[Diag\_4\_01 Primary Diagnosis - 4 characters,  
[DIAG\_NN All Diagnosis codes,  
[DISDATE Date of discharge,  
[DISDEST Destination on discharge,  
[DISMETH Method of discharge,  
[DISREADYDATE Discharge ready date,  
[DOMPROC Trust derived dominant procedure,  
[ELECDATE Date of decision to admit,  
[ELECDUR Waiting time,  
[ENCRYPTED\_HESID Encrypted HESID,  
[ENDAGE Age at end of episode,



[EPIDUR Episode duration,  
[EPIEND Date episode ended,  
[EPIKEY Record identifier,  
[EPIORDER Episode order,  
[EPISTART Date episode started,  
[EPISTAT Episode status,  
[EPITYPE Episode type,  
[ETHNOS Ethnic category,  
[FIRSTREG First regular day or night admission,  
[GORTREAT Government office region of treatment,  
[GPPRAC Code of GP practice,  
[GPPRACHA Health Authority area where patient's GP is registered,  
[GPPRACRO Regional Office area where patient's GP was registered,  
[GPPRPCT Primary Care Trust area where patient's GP was registered,  
[GPPRSTHA Strategic Health Authority area where patient's GP was registered,  
[HATREAT Health Authority of treatment,  
[HRGLATE35 Healthcare resource group: version 3.1,  
[HRGNHS Trust derived HRG value,  
[HRGNHSVN Version No. of Trust derived HRG,  
[IMD04 IMD Index of Multiple Deprivation,  
[IMD04\_DECILE IMD Decile Group,  
[IMD04C IMD Crime Domain,  
[IMD04ED IMD Education Training and Skills Domain,  
[IMD04EM IMD Employment Deprivation Domain,  
[IMD04HD IMD Health and Disability Domain,  
[IMD04HS IMD Barriers to Housing and Service Domain,  
[IMD04I IMD Income Domain,  
[IMD04IA IMD Income affecting Adults Domain,  
[IMD04IC IMD Income affecting Children Domain,  
[IMD04LE IMD Living Environment Domain,  
[IMD04RK IMD Overall Rank,  
[INTDAYS\_N Intensive care level days,  
[INTMANIG Intended management,  
[LSOA01 Lower Super Output Area (LSOA01),  
[MAINSPEF Main specialty,  
[MSOA01 Middle Super Output Area, 2001,  
[MYDOB Date of Birth - month and year,  
[NEODUR Age of baby in days,  
[NHSNOIND NHS number status indicator,  
[NUMACP Number of augmented care periods within episode,  
[OACODE6 Census Output Area, 2001 (6 character),  
[OPCS43 OPCS4.3 version flag,  
[OPDATE\_NN Date of operation,  
[OPERSTAT Operation status code,  
[OPERTN\_3\_01 Primary Operative procedure codes 3 character,  
[OPERTN\_NN Primary Operative Procedure Codes ,  
[ORGSUP\_N Number of organ systems supported,  
[PCGCODE Primary care group,  
[PCGORIG Origin of primary care group,  
[PCONSULT Pseudonymised consultant team code,  
[PCTCODE02 Primary care trust of responsibility - historic,  
[PCTCODE06 Primary care trust of responsibility - current,  
[PCTNHS Primary care trust of responsibility - NHS,  
[PCTORIG02 Origin of primary care trust of responsibility - historic,  
[PCTORIG06 Origin of primary care trust of responsibility - current,  
[PCTTREAT Primary Care Trust area of main provider,  
[POSOPDUR Post-operative duration,  
[POSTDIST Postcode district of patient's residence,  
[PREFERER Pseudonymised referrer code,

[PREGGMP Pseudonymised code of patient's registered or referring general medical practitioner,  
[PREOPDUR Pre-operative duration,  
[PROCODE Organisation code (code of provider),  
[PROCODE3 Provider code - 3 character,  
[PROCODET Provider code,  
[PROTYPE Provider type,  
[PROVSPNOPS Pseudonymised hospital provider spell number,  
[PURCODE Commissioner code,  
[PURRO Commissioner's Regional Office,  
[PURSTHA Commissioner's Strategic Health Authority,  
[PURVAL Commissioner code status,  
[REFERORG Referring organisation code,  
[RESCTY County of residence,  
[RESGOR Government office region of residence,  
[RESHA Health Authority of residence,  
[RESLADST Local authority district,  
[RESLADST Local authority district,  
[RESLADST Local authority district,  
[RESLADST Local authority district,  
[RESPCT02 Patient's Primary Care Trust of residence - historic,  
[RESPCT06 Patient's Primary Care Trust of residence – current,  
[RESRO Regional Office of residence,  
[RESSTHA02 Patient's Strategic Health Authority of residence - historic,  
[RESSTHA06 Patient's Strategic Health Authority of residence - current,  
[ROTREAT Region of treatment,  
[RURURB\_IND Rural/Urban Indicator,  
[SEX Sex of patient,  
[SITETRET Site code of treatment,  
[SPELBGIN Beginning of spell,  
[SPELDUR Duration of spell,  
[SPELEND End of spell,  
[STARTAGE Age at start of episode,  
[STHATRET Strategic Health Authority area of treatment,  
[SUBDATE Submission date,  
[SUSCOREHRG SUS generated Core Spell HRG,  
[SUSHRG SUS generated HRG,  
[SUSHRGVERS SUS generated HRG version number,  
[SUSRECID SUS record id,  
[SUSPELLID SUS generated spell id,  
[TRETSPPEF Treatment specialty,  
[WARD91 Electoral ward in 1991,  
[WARDSTRT Ward type at start of episode

## Filters/minimisation efforts

Healthcare Resource Groups (HRG) relating to vascular procedures and intracranial procedures except trauma. Only 20% of available fields requested.

## Data Transfer Method

- Hospital Episode Statistics Critical Care

## Periods

2014/15  
2015/16  
2016/17  
2017/18

## Sensitive fields

## Identifiable fields

## Other fields

[acardsupdays Advanced cardiovascular support days,  
[aressupdays Advanced respiratory support days,  
[bcardsupdays Basic cardiovascular support days,  
[bestmatch Best match flag,  
[bressupdays Basic respiratory support days,  
[ccadmisorc Critical care admission source,  
[ccadmitype Critical care admission type,  
[ccapcrel Critical care APC relationship,  
[ccdisdate Critical care discharge date,  
[ccdisdest Critical care discharge destination,  
[ccdisloc Critical care discharge location,  
[ccdisrdydate Critical care discharge ready date,  
[ccdisrdytime Critical care discharge ready time,  
[ccdisstat Critical care discharge status,  
[ccdistime Critical care discharge time,  
[cclev2days Critical care level 2 days,  
[cclev3days Critical care level 3 days,  
[ccsorcloc Critical care source location,  
[ccstartdate Critical care start date,  
[ccstarttime Critical care start time,  
[ccunitfun Critical care unit function,  
[dermsupdays Dermatological support days,  
[gisupdays Gastro-intestinal support days,  
[liversupdays Liver support days,  
[neurosupdays Neurological support days,  
[orgsupmax Organ support maximum,  
[rensupdays Renal support days,  
[susrecid SUS record ID,  
[unitbedconfig Critical care unit bed configuration

## Filters/minimisation efforts

Healthcare Resource Groups (HRG) relating to vascular procedures and intracranial procedures except trauma. Only 69% of available fields requested.

## Data Transfer Method

- **Hospital Episode Statistics Outpatients**

## Periods

2014/15  
2015/16  
2016/17  
2017/18

## Sensitive fields

## Identifiable fields

## Other fields

[ADMINCAT Administrative category,  
[APPTAGE Age on day of appointment,  
[APPTDATE Appointment date,  
[ATENTYPE Attendance type,  
[ATTENDED Attended or did not attend,  
[ATTENDKEY Record identifier,  
[BABYAGE Age of Baby,  
[CARERSI Carer support indicator,

[CSNUM Commissioning serial number,  
[CURRWARD Current electoral ward,  
[DIAG\_3\_01 Primary diagnosis - 3 character,  
[DIAG\_4\_01 Primary diagnosis - 4 character,  
[DIAG\_4\_NN Secondary diagnoses - 4 character,  
[DIAG\_NN Diagnosis,  
[DNADATE Last DNA or patient cancelled date,  
[ENCRYPTED\_HESID Encrypted HESID,  
[ETHNOS Ethnic category,  
[ETHRAWL Ethnic category (audit version),  
[FIRSTATT First attendance,  
[GORTREAT Government office region of treatment,  
[GPPRAC Code of GP practice,  
[GPPRACHA Health Authority area where patient's GP is registered,  
[GPPRACRO Regional office area where patient's GP practice was registered,  
[GPPRPCT Primary Care Trust area where patient's GP was registered,  
[GPPRSTHA Strategic health authority area where patient's GP practice was registered,  
[HATREAT Health authority of treatment,  
[HRGNHS Trust derived HRG value,  
[HRGNHSVN Version No. of Trust derived HRG,  
[IMD04C IMD Crime Domain,  
[IMD04ED IMD Education, Skills and Training Domain,  
[IMD04HD IMD Health and Disability Domain,  
[IMD04HS IMD Barriers to Housing and Services Domain,  
[IMD04I IMD Income Domain,  
[IMD04IA IMD Income Affecting Older People Index,  
[IMD04IC IMD Income Affecting Children Index,  
[IMD04LE IMD Living Environment Domain,  
[IMD04RK IMD Overall Ranking,  
[LSOA01 Lower Super Output Area (LSOA01),  
[MAINSPEF Main specialty,  
[MARSTAT Marital Status,  
[MSOA01 Middle Super Output Area, 2001,  
[MYDOB Date of Birth - month and year,  
[NHSNOIND NHS number status indicator,  
[OACODE6 Census output area, 2001 (6 character),  
[OPERSTAT Operation status code,  
[OPERTN\_3\_01 Primary operation - 3 character,  
[OPERTN\_3\_NN Secondary operations - 3 character,  
[OPERTN\_NN Operative procedure,  
[OUTCOME Outcome of attendance,  
[PCONSULT Pseudonymised consultant team code,  
[PCTCODE02 Primary care trust of responsibility - historic,  
[PCTCODE06 Primary care trust of responsibility - current,  
[PCTNHS Primary care trust of responsibility - NHS,  
[PCTORIG02 Origin of primary care trust of responsibility - historic,  
[PCTORIG06 Origin of primary care trust of responsibility - current,  
[PCTTREAT Primary Care Trust area of main provider,  
[POSTDIST Postcode district of patient's residence,  
[PREFERER Pseudonymised referrer code,  
[PREGGMP Pseudonymised Code of patient's registered or referring general medical practitioner,  
[primerecp primerecp,  
[PRIORITY Priority type,  
[PROCEDURE Organisation code (code of provider),  
[PROCEDURE3 Provider code (3 character),  
[PROCEDURET Provider code,  
[PROTOTYPE Provider type,  
[PURCODE Commissioner code,  
[PURSTHA Commissioner's strategic health authority,

[PURVAL Commissioner code status,  
[REFERORG Referring organisation code,  
[REFSOURC Source of referral,  
[REQDATE Referral request received date,  
[RESCTY County of residence,  
[RESGOR Government office region of residence,  
[RESHA Health authority of residence,  
[RESLADST Local authority district of residence,  
[RESPCT02 Patient's Primary Care Trust of residence - historic,  
[RESPCT06 Patient's Primary Care Trust of residence – current,  
[RESRO Region of residence,  
[RESSTHA02 Patient's Strategic Health Authority of residence - historic,  
[RESSTHA06 Patient's Strategic Health Authority of residence - current,  
[ROTREAT Region of treatment,  
[RTTPEREND RTT period end date,  
[RTTPERSTART RTT period start date,  
[RURURB\_IND Rural / urban indicator,  
[SENDER SENDER,  
[SERVTYPE Service type requested,  
[SEX Sex of patient,  
[STAFFTYP Medical staff type seeing patient,  
[STHATRET Strategic health authority area of treatment,  
[SUSHRG SUS generated HRG,  
[SUSHRGVERS SUS generated HRG version number,  
[TRETSPPEF Treatment specialty,  
[WAIT\_IND Waiting calculation indicator,  
[WAITING Days waiting,  
[WARD91 Electoral ward in 1991

## Filters/minimisation efforts

Healthcare Resource Groups (HRG) relating to vascular procedures and intracranial procedures except trauma. Only 31% of available fields requested.

## Data Transfer Method

- **HES:Civil Registration (Deaths) bridge**

## Periods

Latest available release

## Sensitive fields

## Identifiable fields

## Other fields

## Filters/minimisation efforts

## Data Transfer Method

- **Civil Registration (Deaths) - Secondary Care Cut**

## Periods

Latest available

## Sensitive fields

[cause\_of\_death] Original Underlying Cause of Death,  
[death\_record\_used] Death Record Used,  
[dod] Date of Death,  
[dor] Date of Registration,  
[respct] Primary Care Trust of usual residence of deceased,  
[resstha] Strategic Health Authority of usual residence of deceased,  
[sex] Sex,  
[subsequent\_activity] Subsequent activity

**Identifiable fields**

[dod] Date of Death

**Other fields**

**Filters/minimisation efforts**

Where DOD between '2014-03-14' AND '2018-03-31' and patient is present in the HES data-set

**Data Transfer Method**

**3. Additional Information**

**Recommended product(s)**

List Clean	No
Patient Status	No
Patient Tracking	No

**Additional Technical Detail**

Step 1

Create a HES Admitted Patient Care cohort of patients with the following filters:

\* HES Admitted Patient Care (1998/99 – 2017/18 AR)

HRGNHS = Q01 to Q99 or A20 to A23 or  
OPERTN\_NN = L16 to L99 or U11 or W06 or X07 to X12 or Z361 or Z403 or  
SUSHRG = AA29Z or QZ01A to QZ19Z or RA02Z to RA 06Z or RA23Z to RA27Z or RB03Z to RB10Z or  
DIAG\_NN = I71 or I72 or I79 or T81.7 or G540 or  
TRETSPF = 107

Step 2

Extract all HES records for patients found in stage 1 for 2014/15 to 2017/18  
Extract all linked HES/ONS Mortality episodes for patients found in Step 1 where DOD between '2014-03-14' AND '2018-03-31'

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