

HCUP Data Elements Requested for Development of the HCUP Databases

This table includes the complete list of data elements requested from all Data Organizations participating in the project (“HCUP Partners”) and is provided to show how the supplied data are utilized in creating the HCUP Intramural and Central Distributor databases. If a Data Organization has a more limited list of data elements, its database may still be useful and requested for HCUP. This table is updated annually or more frequently if needed, and changes are reported to HCUP Partners.

HCUP databases include the Intramural State Inpatient Databases (SID), Intramural State Ambulatory Surgery Databases (SASD), Intramural State Emergency Department Databases (SEDD), Nationwide Inpatient Sample (NIS), Kids' Inpatient Database (KID), Nationwide Emergency Department Sample (NEDS), and Central Distributor SID, SASD, and SEDD. Refer to the Project Description section of the HCUP Project Overview Binder or the Databases section of HCUP-US for a description of each HCUP database.

Column Definitions

The first column, labeled “Provided by HCUP Partners,” shows the standard data elements requested from each Data Organization. Blank cells in this column indicate that the field is not requested from HCUP Partners and AHRQ will create or assign the data elements from other sources.

The second column, labeled “HCUP data elements,” lists the HCUP-defined data elements that are included in the family of HCUP databases. HCUP data elements are lined up next to the Partner-supplied elements that are the source of the HCUP measures.

The remaining columns indicate the file content for each of the HCUP databases.

Visit these HCUP-US Webpages for descriptions of the HCUP Data Elements and more information about the HCUP databases:

Nationwide Databases:

NIS: <http://www.hcup-us.ahrq.gov/db/nation/nis/nisdde.jsp>
KID: <http://www.hcup-us.ahrq.gov/db/nation/kid/kiddde.jsp>
NEDS: <http://www.hcup-us.ahrq.gov/db/nation/neds/nedsdde.jsp>

Intramural State Databases (password access):

SID: http://www.hcup-us.ahrq.gov/db/state/sid/sidvarnote_allstates.jsp
SASD: http://www.hcup-us.ahrq.gov/db/state/sasd/sasvarnote_allstates.jsp
SEDD: http://www.hcup-us.ahrq.gov/db/state/sedd/seddvarnote_allstates.jsp

Central Distributor SID:

http://www.hcup-us.ahrq.gov/db/state/siddist/sid_multivar.jsp

Central Distributor SASD:

http://www.hcup-us.ahrq.gov/db/state/sasddist/sasd_multivar.jsp

Central Distributor SEDD:

http://www.hcup-us.ahrq.gov/db/state/sedddist/sedd_multivar.jsp

Hospital Market Structure (HMS) Files:

<http://www.hcup-us.ahrq.gov/toolssoftware/hms/hms.jsp>

Cost-to-Charge Ratio (CCR) Files:

<http://www.hcup-us.ahrq.gov/db/state/costtocharge.jsp>

American Hospital Association Linkage Files:

http://www.hcup-us.ahrq.gov/db/state/ahalinkage/aha_linkage.jsp

HCUP Supplemental Files for Revisit Analyses:

<http://www.hcup-us.ahrq.gov/toolssoftware/revisit/revisit.jsp>

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To Execute the HCUP MOA, complete the following steps:

Review Column #1 for an overview of the standard data elements requested from HCUP Partners.

Review Column #2 for the name or type of HCUP data elements created from the supplied files. Descriptions of the HCUP data elements are provided using hyperlinks to pages on HCUP-US. Some descriptions require password-access (go to <http://www.hcup-us.ahrq.gov/login.jsp> and enter a user name and password to gain access to these documents). The data supplied by HCUP Partners is mapped into the HCUP uniformly formatted data elements. Additional measures are assigned using clinical groupers (e.g., APR-DRGs, etc.), HCUP software tools (e.g., HCUP Comorbidity Measures, Clinical Classifications Software (CCS), Chronic Condition Indicators, Procedure Classes, and Utilization Flags), or data obtained from external sources (e.g., hospital structural characteristics, median income of patient's ZIP Code, urban-rural designations).

Review Columns #3-10 to determine which data elements are contained in each HCUP database. Note that HCUP's Data Development files contain the original, indirect identifiers supplied by the Data Organization that are used to create synthetic or derived uniform HCUP data elements. These elements are stored in data development-only files, with access granted by permission of the HCUP Project Officer only under specific, limited circumstances. In addition, HCUP employs re-identification routines to mask patient and physician identifiers, even for IDs that were masked before submission to HCUP (for 2003 and earlier data, HCUP employed an encryption routine). Handling of data development files is described in the HCUP Data Security Plan, Section III.C.

Execute an HCUP MOA: Confirm in the HCUP Memorandum of Agreement (MOA), Table 1, Section IV.A, which of the data elements in the HCUP Data Development column will be supplied. Indicate in the HCUP MOA, Table 2, referenced in Sections IV.A, IV.B, and IV.C, if any of the planned HCUP data elements may not be released in the associated "Central Distributor Databases" (NIS, KID, NEDS, and Central Distributor state databases).

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| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|--|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| LINKAGE ELEMENTS | | | | | | | | | | |
| Hospital number (as assigned by the data organization) | Data source hospital ID | | X | X | X | | X | X | X | The identifier assigned by the data organization to identify a hospital. § |
| | HCUP hospital ID number | | X | X | X | | X | X | X | Assigned by HCUP to each hospital in the state. Links HCUP databases. |
| | Hospital NPI | | X | | | | X | X | X | This data element contains NPIs for facilities if the HCUP Partner provides both a state-specific hospital identifier and the National Provider Identifier (NPI) for the facility. Added to HCUP data in 2008 |
| | AHA hospital ID | | X | X | X | | X | X | X | Assigned from the American Hospital Association (AHA), Annual Survey Database. § |
| | NEDS hospital ID | | | | | | | | | X |
| Medical record number, encrypted | MRN (as received from source) | X | | | | | | | | Provided as encrypted by data organization. |
| | MRN (re-identified) | | X | | | | X | X | X | HCUP re-identifies encrypted medical record numbers received from Partners to protect patient identity. |

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The Intramural State Databases column includes HCUP's AHA Crosswalk elements (hospital identifiers & sampling characteristics).

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| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|--|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|-----------|-----------|---|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| Mother's medical record number, encrypted | Mother's MRN (as received from source) | X | | | | | | | | Mother's medical record number for a newborn. Provided as encrypted |
| | Mother's MRN (re-identified) | | X | | | | X | if avail. | if avail. | HCUP re-identifies encrypted mother's medical record number to protect patient identity. |
| Person number, encrypted or assigned by source | Person number (as received from source) | X | | | | | | | | An encrypted social security number or other identifier that uniquely identifies an individual so that multiple admissions by the same patient can be linked within and across institutions. Used to track readmissions. |
| | Person number (re-identified) | | X | | | | X | X | X | HCUP re-identifies patient numbers to protect patient identity. |
| -- | HCUP record ID | X | X | X | X | | X | X | X | HCUP unique record identifier, or key. Used to link HCUP databases. |
| | HCUP record ID – NEDS only | | | | | X | | | | KEY_ED is a HCUP record identifier created specifically for the Nationwide Emergency Department Sample (NEDS). It is used to uniquely identify records so that the data elements from different NEDS files can be combined. This record ID does not link to external data or to other HCUP databases. |

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|---|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| HOSPITAL INFORMATION | | | | | | | | | | |
| -- | Hospital state postal code (e.g., AZ for Arizona, etc.) | | X | X | X | | X | X | X | Assigned by HCUP. |
| -- | Hospital state-county FIPS code | | X | X | X | | X | X | X | Assigned by HCUP. § |
| -- | AHA-defined: hospital name address city ZIP Code | | X | X | X | | | | | Assigned by HCUP from AHA Annual Survey Database. Not available for some states on the NIS and KID. § |
| PHYSICIAN INFORMATION | | | | | | | | | | |
| Physician identification numbers – as many as collected | Physician identifiers (as received from source) | X | | | | | | | | Physician identification differs by state. May be state license number, UPIN, NPI, other, or mix. |
| | Physician identifiers (re-identified) | | X | X | X | | X | X | X | HCUP re-identifies physician identification numbers to protect identity. Discontinued on the NIS beginning with 2010. |
| Physician name | Physician name (as received from source) | X | | | | | | | | Names of physicians providing patient's care. May be supplied on a separate physician file, with linkage through the physician ID. |
| Physician specialty | Physician specialty (as received from source) | | X | | | | X | X | X | The specialty of each physician. May be supplied on a separate physician file, with linkage through the physician ID. |
| Physician licensing board | Physician licensing board (as received from source) | | X | | | | X | X | X | The type of medical or specialist board licensing each physician. May be supplied on a separate physician file, with linkage |

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| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | | | | | | | | | | through the physician ID. |
| PATIENT DEMOGRAPHICS | | | | | | | | | | |
| Date of birth | Date of birth | X | | | | | | | | Supplied as full date, with four-digit year, month and day. Obtaining this date is important for calculating uniform ages, as a key characteristic for verifying the correct assignment of patient numbers, and to enable certain edit checks. |
| | Birth month and year | | | | | | X | X | X | DOB is replaced by birth month (BMONTH) and year (BYEAR) on Central Distributor state files. |
| Patient age | Age in years at admission | | X | X | X | X | X | X | X | Age of the patient in years on the date of admission. Usually calculated by HCUP from admission and birth date. |
| | Age in days (when age is less than 1 year) | | X | X | X | | X | X | X | Age in days on the date of admission, for ages under 1 year. May be calculated by HCUP. |
| | Age in months (when age is less than 11 years) | | X | | | | X | X | X | Age in months on the date of admission, for ages of less than 11 years. May be calculated by HCUP. |
| Patient sex | Female | | X | X | X | X | X | X | X | The gender of the patient. |
| Patient race | Race, uniform | | X | X | X | | X | X | X | The race of the patient. HCUP groups the supplied race codes into uniform categories. |

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| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | Race (as received from source) | | X | | | | X | X | X | Retained as provided by the source. Ethnicity information is coded in HISPANIC_X. |
| Patient ethnicity | Hispanic (as received from source) | | X | | | | X | X | X | The ethnicity of the patient. Used to indicate if the patient is Hispanic, and sometimes to show the region of origin, (e.g. Mexican, Puerto Rican, etc.). Retained as provided by the source. |
| Patient state of residence | Patient state postal code | | X | | | | X | X | X | As reported by source or derived from ZIP code. |
| Patient county | Patient state-county FIPS code | | X | | | | X | X | X | As reported by source or derived from ZIP code. |
| Patient ZIP code (5-digit) | ZIP Code (5 digit) | X | | | | | X | X | X | The 5-digit ZIP Code of the patient's residence. § |
| | Synthetic ZIP Code (synthetic) | | X | | | | X | X | X | HCUP masks ZIP codes to obscure 4 th and 5 th digits. This is done in a manner that does not allow placement of a specific patient within a narrower ZIP code-based geography. § |
| | ZIP Code (first 3 digits) | | X | | | | X | X | X | HCUP removes the 4 th and 5 th digits from the supplied ZIP Code for public release. |
| | Median income quartiles (national distribution) | | X | X | X | X | X | X | X | HCUP assigns four broad categories based on the <i>national distribution</i> of the median household income of the patient's ZIP code. |
| | Median income quartiles (state-specific) | | X | | | | | X | X | X |

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| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | distribution) | | | | | | | | | median household income of the patient's ZIP code of residence. |
| | Median household income (ungrouped) | X | | | | | | | | Assigned to Data Development files starting with 2005 data year (MEDINC). |
| CLINICAL INFORMATION | | | | | | | | | | |
| Admission date (month, day, year) | Admission date (month, day, year) | X | | | | | | | | The date the patient was admitted for inpatient care or the start of care. Obtaining the complete date (month, day, and year) allows HCUP to calculate a uniformly defined LOS and perform edit checks. |
| | Admission on weekend | | X | X | X | X | X | X | X | Admission day "on weekend" is derived from admission date during processing. |
| | Admission month | | X | X | X | X | X | X | X | Admission month is derived from admission date during processing. |
| | Admission year | | | | | | | X | X | X |
| Discharge date (month, day, and year) | Discharge date (month, day, year) | X | | | | | | | | Date patient is discharged from hospital. May be called "through date" or "statement covers period." |
| | Discharge quarter and year | | X | X | X | X | X | X | X | Discharge quarter and year are derived from the date during processing. |

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| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | Discharge month | | | | | | X | X | X | Discharge date is replaced by discharge month, quarter and year on Central Distributor state files. § |
| Admission hour/ Discharge hour | Admission hour Discharge hour | | X | | | | X | X | X | Hour of the day at which the patient was admitted and discharged. Included on HCUP databases only if both times are provided. Added to the SASD and the SEDD in 2001, and the SID in 2003. |
| Length of stay (same day stay = 0 days) | Length of stay (as received from source) and (cleaned) | | X | X | X | | X | X | X | Length of hospital stay in days. HCUP keeps two versions: 1) as supplied by source, and 2) a cleaned version that sets extreme values to missing. Admission and discharge on same day is coded as zero (0). |
| | Length of stay for NEDS (inpatient only) | | | | | X | | | | LOS_IP indicates length of stay from SID-based (inpatient) records in the NEDS. |
| Type of admission/ visit | Type of admission | | X | X | X | | X | X | X | The priority of the admission or type of admission or visit (emergency, urgent, elective, newborn). Rarely reported for outpatient encounters. |
| | Elective admission | | | X | X | | | | | A yes/no indicator that is derived from the Type of Admission. Added to the KID in 2003 and the NIS beginning in 2002. |

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| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| Source of admission / Point of origin | Point of origin (UB-04 coding) and (as received from source) | | X | X | X | | X | X | X | Replaces “Source of Admission” in the UB-04 specifications. HCUP keeps two versions: 1) as supplied, 2) using UB-04 coding. Added to HCUP data in 2007. Added to the KID in 2009. |
| | Admission source (UB-92 coding) (uniform) (as received from source) | | X | X | X | | X | X | X | <i>Valid until Oct 1, 2007.</i> <i>Replaced by “Point of Origin.</i> <i>To accommodate different time frames for adopting the new coding, HCUP continues to use Admission Source elements where appropriate.</i> HCUP keeps three versions: 1) using UB-92 coding (Added to HCUP data in 2002), 2) grouped into uniform categories, 3) as supplied (Added to HCUP data in 1998). |
| Patient discharge status | Disposition of patient (as received from source) | | X | | | | X | X | X | Disposition or patient discharge status, retained as provided by the source. |
| | Disposition of patient (uniform) (UB-92 coding) (UB-04 coding) | | X | X | X | | X | X | X | HCUP keeps three additional versions: 1) grouped into uniform categories, 2) UB-92 coding (through 2006) 3) UB-04 coding (added to HCUP databases in 2007). |
| | Disposition of patient from ED and from inpatient admission | | | | | X | | | | DISP_IP and DISP_ED indicate the disposition of the patient at discharge (routine, transfer to another hospital, died, etc.) from |

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| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | | | | | | | | | | SID and SEDD-based records in the NEDS. |
| Principal and secondary diagnoses – as many as collected | Diagnoses | | X | X | X | X | X | X | X | Principal diagnosis is the ICD-9-CM diagnosis established to be chiefly responsible for the admission of the patient for treatment. Provide additional, secondary diagnoses and E codes. |
| | Number of reported diagnoses | | X | X | X | X | X | X | X | The total number of diagnoses (valid and invalid) coded on the discharge record. |
| External Cause of Injury codes (if coded separately from diagnosis fields) | E codes | | X | X | X | X | X | X | X | Cause of injury and/or place of occurrence E codes. Beginning with 2003, HCUP creates distinct fields for E codes, including any reported in the diagnosis array or provided separately by the source. |
| | Number of reported E codes | | X | X | X | X | X | X | X | The total number of E-codes (valid and invalid) coded on the discharge record. |
| Present on admission (POA) indicator | Diagnosis present at admission and E codes present at admission | | X | | | | X | if avail. | if avail. | Indicator of diagnosis or E code was present at the time the order for inpatient admission occurred. Added to HCUP state data in 2007. Called DxAtAdmitn in earlier years. |
| Patient's reason for visit – as many as collected | Reason for visit | | X | | | | | X | X | The ICD-9-CM diagnosis codes describing the patient's reason for visit at time of outpatient registration. |

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| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | | | | | | | | | | Added to the intramural databases in 2003. |
| Principal and secondary procedures – as many as collected | Procedures | | X | X | X | | X | X | X | The principal procedure is an ICD-9-CM code that identifies the principal procedure performed during the stay. Provide additional, secondary procedures. |
| | Procedures for NEDS (includes inpatient and ED) | | | | | X | | | | PR_IP and PR_ED include the ICD-9-CM procedures from SID and SEDD-based records in the NEDS. |
| | Number of reported procedures | | X | X | X | X | X | X | X | The total number of ICD-9-CM procedures (valid and invalid) coded on the discharge record. |
| CPT/HCPCS procedure codes, principal and secondary | CPT/HCPCS codes | | X | | | X | X | X | X | CPT and/or HCPCS procedure codes, for outpatient procedures. |
| | CPT/HCPCS and modifiers | | X | | | | X | X | X | CPT/HCPCS modifiers indicate circumstances that can be used to improve reporting accuracy. |
| | Number of reported CPT/HCPCS codes | | X | | | X | X | X | X | The total number of ICD-9-CM or CPT/HCPCS procedures (valid and invalid) coded on the discharge record |
| Date of principal and secondary procedures | Date of procedure(s) | X | | | | | | | | As many dates of procedures as are collected by the data organization. May include procedures performed before the date of admission (e.g., pre-admission tests) . |

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| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | Procedure month and year | | | | | | X | X | X | PRDATE is replaced by procedure month and year on Central Distributor state files. § |
| Days from admission to procedure(s) | Day of procedure(s) (for ICD-9-CM procedures) | | X | X | X | | X | X | X | HCUP assigns values from dates for ICD-9-CM procedures during processing or from supplied fields. |
| PAYMENT INFORMATION | | | | | | | | | | |
| Total charges for stay or visit | Total charges (as received from source) and (cleaned) | | X | X | X | | X | X | X | The total of all charges for the stay or visit, in dollars. May be provided as the charges corresponding to revenue center 0001. HCUP keeps two versions: 1) as supplied by data source (TOTCHG_X) 2) verified to remove unreasonably high or low charges per day (TOTCHG). |
| | Total charges for NEDS (inpatient) and ED | | | | | X | | | | TOTCHG_IP and TOTCHG_ED indicate total charges from SID and SEDD-based records in the NEDS. |
| Expected payer, grouped – as many as collected | Expected payer (as received from source) | | X | X | X | | X | X | X | The type of organization from which the provider expects payment for the bill. Data values may be aggregated at a relatively high level (such as Medicare, Medicaid, HMO, commercial insurance, etc.) or provided with greater detail that can be readily collapsed to such a level. |
| | Expected payer (uniform) | | X | X | X | X | X | X | X | HCUP keeps two versions: 1) as supplied by data source |

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| | | | | | | | | | | (PAY1_X – PAY3_X), and 2) the HCUP uniform format (PAYn). Note: The NIS, KID, and NEDS contain primary and secondary expected payer; not the tertiary. |
| Expected payer, by plan name – as many as collected | Expected payer, (by plan name) | | X | | | | X | X | X | Detailed identification or names of organizations from which the provider expects primary payment for the bill. This data identifies specific payers such as individual HMO plans or insurance carriers. |
| Type of Bill | Bill type | | X | | | | thru 2005 | X | X | Standard UB-92/ UB-04 code indicating the specific type of bill (i.e., inpatient, outpatient, adjustment, and void). Excluded from the SID after 2005. |
| SERVICE DETAIL | | | | | | | | | | |
| Revenue codes | Revenue center codes, associated with (grouped charges) or (line item charges) | | X | | | | X | X | X | Revenue codes identify specific accommodation, ancillary service, or billing calculations. Many states use UB-92/04 codes; some states have developed their own coding scheme. |
| Total Charges by revenue code | Detail charges or Charges associated with revenue center(s) or Line item charges | | X | | | | X | X | X | Total charges by revenue category. The revenue category may be provided explicitly provided in a corresponding revenue code field, or implied by the definition of charge detail fields. HCUP keeps three versions: 1) Detailed charge array – fixed |

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| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|--|---|---------------------------------------|----------------------------|-----------------------------|-----|------|-----------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | | | | | | | | | | order, without revenue center codes (CHGn) 2) Charges associated with revenue center codes – grouped (REVCHGn). Added to the Intramural files in 2005. 3) Charges with line item revenue codes (CHARGE). |
| CPT/HCPCS codes – as many as collected | CPT/HCPCS, associated with (line item charges) | | X | | | | if avail. | X | X | Line item CPT or HCPCS procedure codes (CPTHPCPS) are retained as provided by the source. |
| CPT/HCPCS modifiers | CPT/HCPCS modifiers, associated with (line item charges) | | X | | | | if avail. | X | X | Line item CPT/HCPCS modifiers (CPTMOD1 and CPTMOD2) are retained as provided by the source. |
| Ambulatory Payment Classification code | Ambulatory Payment Classification (APC) (as received from source) | | X | | | | | X | X | APCs include significant outpatient surgical procedures, radiology and other diagnostic services, medical visits and partial hospitalizations. APCs are created based on CPTs. Added to HCUP data in 2008. |
| Rates | Accommodation rates, associated with (grouped charges) or (line item charges) | | X | | | | X | | | The daily rate (RATE) and line item rate (RATEn) are retained as provided by the source. |

§ Not available for some states on the restricted access public release files.

The Intramural State Databases column includes HCUP's AHA Crosswalk elements (hospital identifiers & sampling characteristics).

**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|---|---|---------------------------------------|----------------------------|-----------------------------|-----|------|-----------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| Service date/day | Days from admission to outpatient service, associated with (CPT/HCPCS on line item charges) | | X | | | | if avail. | X | X | HCUP calculates days from admission date to the outpatient service (SERVDAY) during processing. Date of service is not retained on the HCUP databases. |
| Units of service | Units, associated with (grouped charges) or (line item charges) | | X | | | | X | X | X | Unit of service (UNITn) and line item units (UNITS) are retained as provided by the source. |
| DISEASE SEVERITY MEASURES – Assigned by HCUP | | | | | | | | | | |
| -- | All Patient Refined DRG (3M APR-DRG) | | X | X | X | | | | | Assigned during HCUP processing, beginning with 2002 NIS, 2003 KID, and 2003 Intramural SID. APSDRG_Cost_Weight includes APS-DRG group numbers assigned using software developed by OPTUMInsight (formerly Ingenix), and weights developed using the NIS Added to the HCUP data in 2009. The Severity Measures created by HCUP are not available on Central Distributor State databases. |
| -- | All-Payer Severity-Adjusted DRG (OPTUMInsight APS-DRG) | | X | X | X | | | | | |
| -- | All-Payer Severity-Adjusted DRG Cost Weight | | X | | | | | | | |
| -- | Disease Staging (Thomson Reuters) | | X | X | X | | | | | |
| -- | AHRQ Comorbidity Measures | | X | X | X | | X | | | Beginning with 2002, assigned during NIS and SID processing. Beginning with 2003, assigned during KID processing. |

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**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|---|---|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| DISEASE SEVERITY MEASURES – As Provided by Data Organization | | | | | | | | | | |
| All Patient Refined DRG | APR DRG (as received from source) | | X | | | | X | | | Retained as provided by the source. Called ADRG to distinguish from APR-DRG created under HCUP's license with 3M. Only released on the Central Distributor SID if measures are provided by Data Organization. |
| All-Payer Severity-Adjusted DRG | APS DRG (as received from source) | | X | | | | X | | | Retained as provided by the source. Called APSDRG_X to distinguish from APS-DRG created under HCUP's license with 3M. Only released on the Central Distributor SID if measures are provided by Data Organization. |
| Ambulatory Patient Group (APG) | APG code, category, and type (as received from source) | | X | | | | | X | X | Classification system used for outpatient data. Retained as provided by the source. |
| Refined DRG (Solucient RDRG) | Refined DRG (as received from source) | | X | | | | X | | | Retained as provided by the source. |
| MediQual (Atlas Total Charges Score) | MediQual Grouper values (as received from source) | | X | | | | X | | | Retained as provided by the source. MediQual Total Charges Grouper values, also known as the Atlas Total Charges Score. |

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The Intramural State Databases column includes HCUP's AHA Crosswalk elements (hospital identifiers & sampling characteristics).

**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|----------------------------|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|---|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| AHRQ SOFTWARE TOOLS | | | | | | | | | | |
| -- | Clinical Classifications Software (CCS) for diagnoses , procedures , and E Codes | | X | X | X | X | X | X | X | HCUP assigns Clinical Classification Software (CCS) categories. Assigned for diagnoses (DXCCSn), procedures (PRCCSn), and E codes (E_CCsn). |
| | CCS for procedures from ED and inpatient admission | | | | | X | | | | PRCCS_IP and PRCCS_ED indicate the procedure CCS categories for SID and SEDD-based records in the NEDS. |
| | Multi-Level CCS for diagnoses , procedures , and E Codes | | X | X | X | | X | X | X | Groups single-level CCS categories into broader body systems or condition categories. Also splits single-level CCS categories to provide more detailed information about conditions. Added to the SID, SASD and SEDD in 2007. Added to the NIS and KID in 2009, for principal diagnosis, procedure, and E Code only. |

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The Intramural State Databases column includes HCUP's AHA Crosswalk elements (hospital identifiers & sampling characteristics).

**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|---------------------------|---|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|---|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | CCS for Mental Health and Substance Abuse (CCS-MHSA) for general and specific categories | | X | X | X | | X | X | X | Beginning in FY 2008, the Mental Health Substance Abuse CCS tool (CCS-MHSA) was permanently integrated into the Clinical Classifications Software (CCS) tool. Mental Health Substance Abuse Clinical Classification Software (CCS-MHSA) assigns variables that identify mental health and substance abuse-related diagnoses in hospital discharge records using the ICD-9-CM diagnosis codes. The tool assigns both general (CCSMGNn) and specific (CCSMSPn) classifications. Added to HCUP 2005-2006 files. |
| -- | CCS-Services and Procedures | | X | | | | X | X | X | HCUP assigns Clinical Classification Software (CCS) categories using CPT/HCPCS-based data. |
| -- | Chronic Condition Indicator (CCI) | | X | X | X | X | X | X | X | Assigned based on diagnoses to indicate chronic and non-chronic conditions. Added to HCUP data in 2005. § |
| | Number of chronic conditions (NCHRONIC) | | X | X | X | | | | | The number of chronic conditions on each record. Added to the NIS in 2008. Added to the SID and KID in 2009. |
| -- | Procedure classes | | X | X | X | X | X | X | X | Assigned based on procedures to indicate minor/major therapeutic and diagnostic procedures. Add to HCUP data in 2005. |

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**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|--------------------------------|---|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| -- | Utilization Flags | | X | | | | X | X | X | Assigned based on a combination of UB-92/UB-04 revenue codes and ICD-9-CM procedure codes. Only available if source provides revenue codes. |
| HCUP SUPPLEMENTAL FILES | | | | | | | | | | |
| -- | Hospital-specific Cost-to-Charge Ratios (CCR File) | | X | X | X | | X | | | HCUP creates an estimate of the cost of hospital services from the Medicare Cost Reports (MCR), beginning with the 2000 MCR files. Released on a separate file. Can be linked to the NIS, KID, and SID. § |
| -- | Hospital Market Structure measures (HMS File) | | X | X | X | | X | | | HCUP creates measures of hospital market competition. Files for 1997, 2000, and 2003 are currently available. Released on a separate file. Can be linked to the NIS, KID, and SID. § |
| -- | HCUP Supplemental Files for Revisit Analyses | | X | | | | X | X | X | <i>These files were first released publicly in January 2010, including multiple years of data for each participating state.</i> HCUP creates data elements to identify hospital and ED readmissions (a linkage variable for each unique patient and number of days between visits). Released on a separate file. Can be linked to CD SID, SASD and SEDD. § |

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The Intramural State Databases column includes HCUP's AHA Crosswalk elements (hospital identifiers & sampling characteristics).

**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|-----------------------------------|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| -- | American Hospital Association Linkage File | | X | | | | X | X | X | HCUP creates a public-release file containing a small number of AHA data elements. Released on a separate file. Can be linked to CD SID, SASD and SEDD. § |
| OTHER VALUE-ADDED MEASURES | | | | | | | | | | |
| -- | DRG and MDC groups | | X | X | X | X | X | | | HCUP assigns two versions: 1) the current version in use on discharge date 2) version 24, beginning in 2006. Note: version 18 was assigned for 1998-2006 processing. |
| -- | DRG_NoPOA | | X | X | X | | X | | | HCUP calculates DRG on discharges without diagnosis present on admission code. Added to the SID and NIS in 2008. Added to the KID in 2009. |
| | MDC_NoPOA | | X | X | X | X | X | | | HCUP calculates MDC on discharges without diagnosis present on admission code. Added to the NIS, KID, and NEDS in 2009, Added to the SID in 2010. |
| | Transfer Indicator (Transfer_IN) | | X | X | X | | X | | | Transfer_IN is derived from Admission Source and Point of Origin. This data element indicates the type of facility patients are transferred from. Added to HCUP NIS data in 2008. Added to SID and KID in 2009. |

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The Intramural State Databases column includes HCUP's AHA Crosswalk elements (hospital identifiers & sampling characteristics).

**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|---------------------------|---|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|---|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | Transfer Indicator (Transfer_OUT) | | X | X | | | X | | | Transfer_OUT is derived from uniform discharge status. This data element indicates the type of facility patients are transferred to. Added to the HCUP data in 2009. Added to the NIS in 2010. |
| -- | Died during hospitalization | | X | X | X | | X | X | X | A yes/no indicator derived from disposition during processing. |
| -- | Died during ED visit | | | | | X | | | | Indicates whether the patient died in the ED, died in the hospital, or did not die. |
| -- | Neonatal-maternal | | X | X | X | | X | X | X | Indicator of neonatal or maternal diagnosis/procedure. |
| -- | Hospital birth | | X | X | X | | X | X | X | HCUP-assigned indicator that identifies discharges for births. Available on the KID for all years. Added to HCUP data in 2006 |
| -- | Major operating room procedure indicator (ORPROC) | | X | X | X | | | | | Indicates whether there is at least one major procedure performed during the stay. Added to the NIS in 2008. Added to the SID and KID in 2009. |

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**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|---------------------------|--|---------------------------------------|----------------------------|-----------------------------|------|------|--------|---------|---------|---|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| -- | Urban/rural patient location categorized by UIC | | X | | | | X | X | X | HCUP assigns a categorical urban-rural designation for the patient's county of residence based on the 2003 Urban Influence Codes (UIC). This categorization emphasizes the relationship of outlying counties to major metropolitan areas. Added to the Intramural files in 2002. Added to the Central Distributor files in 2003. |
| -- | Collapsed, four-category UICs (CAT4) | | X | 2003-2006 | 2003 | | X | X | X | This is a simplified adaptation of the 2003 UICs. Note: the five-category PL_UR_CAT5 was dropped from HCUP data in 2007. |
| -- | Urban/rural patient location categorized by NCHS | | X | X | X | X | X | X | X | HCUP assigns a categorical urban-rural designation for the patient's county of residence. National Center for Health Statistics (NCHS) data. Added to the HCUP state databases and KID in 2006. Added to the NIS in 2007. |
| -- | Urban/rural patient location – additional measures | | X | | | | X | X | X | HCUP assigns variations of patient location categories (PL_) to intramural databases. These measures are based on: Core Based Statistical Area (CBSA), Metropolitan Statistical Area (MSA), Rural-Urban Commuting Area (RUCA) Codes, |

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**HCUP Data Elements
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| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|---|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|---|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | | | | | | | | | | Rural-Urban Continuum Codes (RUCC), |
| | CMS Capital cost adjustment index for Core Based Statistical Areas | | | X | X | | | | | Applies to all states that participate in the CCR except Hawaii. No other descriptions are available (?) Added to the NIS and KID in 2009. |
| WEIGHTS AND SAMPLING STRATA FOR NATIONWIDE DATABASES | | | | | | | | | | |
| -- | HCUP sampling strata identifiers for NIS and KID: bedsize control/ownership location region teaching status - plus combined stratum indicator | | X | X | X | | | | | Assigned to the NIS and KID from the American Hospital Association (AHA), Annual Survey Database. |
| -- | Children's hospital status , for sampling | | | | X | | | | | Assigned based on information provided by the National Association of Children's Hospitals and Related Institutions (NACHRI). |
| -- | HCUP sampling strata identifiers for NEDS: region trauma center indicator location control/ownership teaching status - plus combined stratum indicator | | | | | X | | | | Assigned to the NEDS from the American Hospital Association (AHA), Annual Survey Database and the Trauma Information Exchange Program (TIEP) database. Trauma designation was used in place of bed size because (1) bed size was not available, and (2) "trauma" designation was more predictive of outcomes related to ED visits. |

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**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|---|---|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|---|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| -- | National discharge weights for NIS , KID , NEDS | | | X | X | X | | | | Used for weighting discharges in the NIS, KID, and NEDS to the "universe" of discharges from all community hospitals located in the U.S. |
| | Weight to discharges in AHA universe for race/ethnicity estimates | | | X | X | | | | | Will be added to the NIS and KID in 2010. |
| -- | National hospital weights, NIS and NEDS | | | X | | X | | | | Used for weighting sampled hospitals to the "universe" of all community hospitals located in the U.S. |
| HOSPITAL CHARACTERISTICS DERIVED FROM AHA ANNUAL SURVEY DATABASE | | | | | | | | | | |
| -- | Multi-hospital system membership | | | X | X | | | | | Indicates hospital is member of multi-hospital system. Assigned from the American Hospital Association (AHA), Annual Survey Database. § Added to HCUP data in 2007. |
| -- | Multi-hospital system cluster code | | | X | X | | | | | Code multi-hospital systems as one of the following: <ul style="list-style-type: none"> • Centralized Health System • Centralized Physician/Insurance Health System • Moderately Centralized Health System • Decentralized Health System • Independent Health System Assigned from the American Hospital Association (AHA), Annual Survey Database. § Added to HCUP data in 2007 |

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**HCUP Data Elements
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|--|---|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| -- | Percentage of RNs among licensed nurses | | | X | X | | | | | Licensed nurses include both RNs and LPNs. Assigned from the American Hospital Association (AHA), Annual Survey Database. § Added to HCUP data in 2007 |
| -- | RN FTEs per 1000 adjusted inpatient days | | | X | X | | | | | Assigned from the American Hospital Association (AHA), Annual Survey Database. § Added to HCUP data in 2007 |
| -- | LPN FTEs per 1000 adjusted inpatient days | | | X | X | | | | | Assigned from the American Hospital Association (AHA), Annual Survey Database. § Added to HCUP data in 2007 |
| -- | Nurse Aide FTEs per 1000 adjusted inpatient days | | | X | X | | | | | Assigned from the American Hospital Association (AHA), Annual Survey Database. § Added to HCUP data in 2007 |
| -- | Percentage of all surgeries performed in outpatient setting | | | X | X | | | | | Assigned from the American Hospital Association (AHA), Annual Survey Database. § Added to HCUP data in 2007 |
| ADDITIONAL MEASURES FOR THE NEDS (Derived from Core Measures) | | | | | | | | | | |
| -- | HCUP file source for NEDS | | | | | X | | | | Identifies the sources of NEDS records (SID or SEDD). |
| -- | Hospital urban-rural location | | | | | X | | | | The four-level categorization for urban-rural location of hospitals. This is a simplified adaptation of the 2003 version of the Urban Influence Codes (UIC). |

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**HCUP Data Elements
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| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|--|---|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| -- | Outcome of ED visit | | | | | X | | | | Derived from patient disposition. ED event indicates the outcome (treat and release; transferred; admitted to this hospital). |
| -- | Injury reported on record: At least one injury; Multiple injuries | | | | | X | | | | Injury measures Identified from ICD-9-CM external cause-of-injury codes (E Codes) using STIPDA classifications. Indicator of self-harm was added to the NEDS in 2006. Other measures were added in 2009. |
| | Mechanism of injury (11 measures) | | | | | X | | | | |
| | Manner/intent of injury: Assault | | | | | X | | | | |
| | Manner/intent of injury: Intentional self-harm | | | | | X | | | | |
| | Manner/intent of injury: Unintentional | | | | | X | | | | |
| | Injury severity score | | | | | | X | | | Assigned using Stata program provided by ICD Programs for Injury Categorization (ICDPIC) |
| ADDITIONAL MEASURES TO IDENTIFY OUTPATIENT SERVICE TYPE | | | | | | | | | | |
| Indicator of direct inpatient admission from emergency room | Condition Code "P7" | | X | | | | X | | | Replaces Point of Origin value "7" (inpatient admission from this facility's emergency room), discontinued by NUBC as of July 2010. Added to the SID in 2010. |

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**HCUP Data Elements
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| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|--|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| Indicator of ambulatory surgery services | Defined by organization Defined by HCUP | | X | | | | | X | X | <p>HCUP requests state-defined indicators that patient received each type of service, if separate revenue codes and charges are not provided.</p> <p>HCUP also assigns indicators using project-specific definitions during processing (based on revenue codes, detail charges, CPT codes).</p> <p>Added to the NIS in 2007 Added to the KID in 2009.</p> <p>The indicator of outpatient service (OPservice) is retained as provided by the source. Distinguishes emergency department visits, ambulatory surgery encounters, and other types of outpatient services.</p> <p>An indicator that outpatient services were provided by a licensed freestanding emergency medical facility. Also represented by UB-04 Type of Bill 078x (effective July 2012).</p> |
| Indicator of emergency department services | Defined by organization Defined by HCUP | | X | X | X | | X | X | X | |
| Indicator of observation services | Defined by organization Defined by HCUP | | X | | | | X | X | X | |
| Indicator of outpatient services | Defined by organization | | X | | | | | X | X | |
| Indicator of free-standing / off-site emergency medical services | Freestanding ED | | X | | | | | X | | |
| ADDITIONAL STATE-SPECIFIC DATA ELEMENTS (May not be part of UB-92/UB-04 specifications) | | | | | | | | | | |
| Preferred language spoken | Primary Language | | X | | | | X | X | X | Retained as provided. § UB-04 field for public health data reporting. Uses ISO 639-2 language codes (may be a |

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HCUP Data Elements Requested for Development of the HCUP Databases

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|-------------------------------------|---|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | | | | | | | | | | subset of all 400+ languages). Added to HCUP data in 2008. |
| Marital status | Marital status (UB-92 coding) (UB-04 coding) (as received from source) | | X | | | | X | X | X | UB-04 field for public health data reporting. Patient marital status coding changed in 2007. Under UB-92 specifications, this element was required (FL 16). Under UB-04, it was moved to the fields for public health reporting (FL 81). HCUP keeps three versions: 1) UB-92 coding (through 2006) 2) UB-04 coding (added to HCUP databases in 2008) 3) as provided by the source. |
| Census tract | Census Tract | X | | | | | | | | Retained as provided. |
| Patient town of residence | Town | X | | | | | X | X | X | Retained as provided by the source. Towns are political subdivisions used in place of counties in Northeastern and Western frontier states. |
| Homeless indicator | Homeless | | X | | | | X | X | X | Flag that indicates the patient is homeless. Retained as provided by the source or assigned based on special value in patient's ZIP code. |
| Scheduled vs. unscheduled admission | Admission scheduled vs. unscheduled | | X | | | | X | | | Indicator for whether or not the admission was scheduled. An alternative formulation of Admission Type. |
| Anesthesia | Method of anesthesia | | X | | | | X | X | X | Indicates local, regional, general, other or no anesthesia. |
| APGAR | APGAR at 1-minute | | X | | | | X | | | APGAR score taken at one minute after birth, five minutes |

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**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|--|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| | 5-minute | | | | | | | | | after birth, or at an unspecified time (as received from source). |
| Birth weight of newborn (grams) | Birth weight | | X | | X | | X | | | Weight of newborn at time of birth in grams (ungrouped) |
| Do not resuscitate | Do not resuscitate indicator | | X | | | | X | X | X | Information concerning the existence of a “Do not resuscitate” order. |
| Operating room time | OR time | | X | | | | | X | | Retained as provided for outpatient (ambulatory surgery) visits. Exclusive of pre-operative and post-operative time. |
| Procedure coding method used | Procedure code type | | X | | | | X | X | X | Indicates type of procedure code reported on the record: ICD-9-CM, CPT/HCPCS, or both. Eliminated from UB-04 specifications. |
| Readmission flag | Readmission | | X | | | | X | X | X | An indicator that the patient was readmitted to a provider. |
| Time in observation services (hours and minutes) | Observation time | | X | | | | X | X | X | Retained as provided. |
| Onset of Symptom/Illness Date | Onset of Symptom | X | | | | | | | | Date when the patient first became aware of symptoms/illness. Based on occurrence codes. Added to HCUP data in 2008. |
| Medicare managed care | Refer to Expected Payer | Added to expected payer | | | | | | | | HCUP uses this information to create uniformly formatted expected payer groupings. |
| Medicaid managed care | Refer to Expected Payer | Added to expected payer | | | | | | | | |

§ Not available for some states on the restricted access public release files.

The Intramural State Databases column includes HCUP’s AHA Crosswalk elements (hospital identifiers & sampling characteristics).

**HCUP Data Elements
Requested for Development of the HCUP Databases**

| Data Element Description | | Internal AHRQ and Contractor Use Only | | Central Distributor Release | | | | | | Description/Comments |
|---|--|---------------------------------------|----------------------------|-----------------------------|-----|------|--------|---------|---------|--|
| Provided by HCUP Partners | HCUP data elements | Data Development Files | Intramural State Databases | NIS | KID | NEDS | CD-SID | CD-SASD | CD-SEDD | |
| Other data elements, as provided by data organization | HCUP intramural data element lists: SID SASD SEDD | | X | | | | X | X | X | HCUP retains other state-specific (non UB) elements of interest on the intramural databases. Elements included on intramural files are eligible for inclusion on the Central Distributor state files. |

§ Not available for some states on the restricted access public release files.

The Intramural State Databases column includes HCUP's AHA Crosswalk elements (hospital identifiers & sampling characteristics).