



H·CUP

HEALTHCARE COST AND UTILIZATION PROJECT

HCUP DATA ELEMENTS

The following table lists the data elements that are used by AHRQ to construct the HCUP Intramural databases (utilized for internal research purposes at AHRQ). These include the HCUP State Inpatient Databases (SID), State Ambulatory Surgery and Services Databases (SASD), State Emergency Department Databases (SEDD), National (Nationwide) Inpatient Sample (NIS), Kids' Inpatient Database (KID), Nationwide Ambulatory Surgery Sample (NASS), Nationwide Emergency Department Sample (NEDS), and Nationwide Readmissions Database (NRD).

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

This table includes the 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. In addition to customarily collected data elements, the table includes additional State-specific elements that may not be part of UB-04 specifications. If a Data Organization has a more limited list of data elements, its data 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 State databases include: Intramural State Inpatient Databases (SID); Intramural State Ambulatory Surgery and Services Databases (SASD); Intramural State Emergency Department Databases (SEDD); Central Distributor SID (CD-SID); Central Distributor SASD (CD-SASD); and Central Distributor SEDD (CD-SEDD).

HCUP Nationwide databases include: National (Nationwide) Inpatient Sample (NIS); Kids' Inpatient Database (KID); Nationwide Ambulatory Surgery Sample (NASS), Nationwide Emergency Department Sample (NEDS); and Nationwide Readmissions Database (NRD). Descriptions of the HCUP databases are provided in the *Project Description* section of the HCUP Project Overview Binder.

Organization of the Tables

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

The second column, labeled “Included in HCUP databases,” lists the data element name or description included in the HCUP databases.

The database columns include an ‘X’ if the data element is included in the respective HCUP databases, or “disc.” if the element was discontinued.

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

Nationwide Databases

NIS: www.hcup-us.ahrq.gov/db/nation/nis/nisdde.jsp
KID: www.hcup-us.ahrq.gov/db/nation/kid/kiddde.jsp
NASS: www.hcup-us.ahrq.gov/databases.jsp Available late 2019
NEDS: www.hcup-us.ahrq.gov/db/nation/neds/nedsdde.jsp
NRD: www.hcup-us.ahrq.gov/db/nation/nrd/nrddde.jsp

Intramural State Databases (password access)

SID: www.hcup-us.ahrq.gov/db/state/sid/sid_ddeavailbyyear.jsp
SASD: www.hcup-us.ahrq.gov/db/state/sasd/sasd_ddeavailbyyear.jsp
SEDD: www.hcup-us.ahrq.gov/db/state/sedd/sedd_ddeavailbyyear.jsp

Central Distributor State Databases

CD-SID: www.hcup-us.ahrq.gov/db/state/siddist/siddist_ddeavailbyyear.jsp
CD-SASD: www.hcup-us.ahrq.gov/db/state/sasddist/sasddist_ddeavailbyyear.jsp
CD- SEDD: www.hcup-us.ahrq.gov/db/state/sedddist/sedddist_ddeavailbyyear.jsp

HCUP Supplemental Files

American Hospital Association Linkage Files:
www.hcup-us.ahrq.gov/db/state/ahalinkage/aha_linkage.jsp
Cost-to-Charge Ratio (CCR) Files:
www.hcup-us.ahrq.gov/db/state/costtocharge.jsp
Hospital Market Structure (HMS) Files:
www.hcup-us.ahrq.gov/toolssoftware/hms/hms.jsp
Supplemental Variables for Revisit Analysis:
www.hcup-us.ahrq.gov/toolssoftware/revisit/revisit.jsp

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

LINKAGE ELEMENTS	4
PATIENT INFORMATION	6
HOSPITAL INFORMATION	8
PHYSICIAN INFORMATION	9
PATIENT DEMOGRAPHICS.....	10
CLINICAL INFORMATION.....	13
PAYMENT INFORMATION.....	22
SERVICE DETAIL.....	24
DISEASE SEVERITY MEASURES – Assigned by HCUP	26
DISEASE SEVERITY MEASURES – As Provided by Data Organization.....	27
HCUP SOFTWARE TOOLS.....	29
WEIGHTS AND SAMPLING STRATA FOR NATIONWIDE DATABASES	41
HOSPITAL CHARACTERISTICS DERIVED FROM AHA ANNUAL SURVEY DATABASE.....	44
ADDITIONAL MEASURES FOR THE NEDS (Derived from Core Measures).....	45
ADDITIONAL MEASURES TO IDENTIFY OUTPATIENT SERVICE TYPE.....	46
ADDITIONAL STATE-SPECIFIC DATA ELEMENTS.....	48

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

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.

You may use the hyperlinks contained in this document to access descriptions of HCUP data elements available on the HCUP User Support web site (HCUP-US). Some descriptions require password-access (go to www.hcup-us.ahrq.gov/login.jsp and enter a user name and password to gain access to these documents).

The HCUP data elements are generally consistent with the UB-04 data specifications. Some data supplied by HCUP Partners are mapped into HCUP uniformly formatted data elements (usually indicated by the term “uniform”). Additional measures are assigned by HCUP using clinical groupers (e.g., APR-DRGs, etc.), HCUP software tools for ICD-9-CM, ICD10-CM/PCS, and CPT codes (e.g., Elixhauser Comorbidity Software, Clinical Classifications Software (CCS), Chronic Condition Indicators, and Procedure Classes), externally defined indicators (e.g., STIPDA injury indicators), or data obtained from external sources (e.g., hospital structural characteristics, median income of patient’s ZIP Code, urban-rural designations).

Review Columns #3-4 to determine which data elements are contained in the HCUP Intramural databases.

HCUP’s Intramural State Databases include versions of HCUP data for use by researchers within AHRQ.

The HCUP Data Development files contain certain indirect identifiers supplied by HCUP Partners that are used in the construction of the HCUP databases. These elements are used to develop uniform indicators and encrypted measures. They are stored in data development-only files, with access granted by permission of the HCUP Project Officer only under specific, limited circumstances. In these instances, only designated programmers will have access to the files on behalf of AHRQ researchers and their contractors. Information contained in the Data Development file is not included in any of the HCUP databases.

Review Columns #5-11 to determine which data elements are contained in each HCUP Central Distributor database.

HCUP’s Central Distributor Databases are referred to as “restricted-access public release files”; that is, they are publicly available, but only under restricted conditions. HCUP Partners specify the data elements that AHRQ may include in their State-level restricted-access public release files. Although HCUP Partners may permit the release of certain identifiers, it is AHRQ’s policy that HCUP’s restricted-access public release files may not contain identifiers or other data elements that must be excluded from a limited data set.

Execute an HCUP MOA: In the HCUP Memorandum of Agreement (MOA), Table 1 – Approval for Selected Data Elements, confirm which of the data elements listed under “Provided by HCUP Partners” will be supplied. This table includes person-level data elements used for specific, restricted purposes and stored in HCUP’s Data Development Files and any additional elements that require special approval for AHRQ to receive. In the HCUP MOA Table 2, confirm if any “HCUP data elements” contained within this document may **not** be released in the associated Central Distributor Databases (NIS, KID, NASS, NEDS, NRD, CD-SID, CD-SASD, and CD-SEDD).

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments		
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD	
LINKAGE ELEMENTS													
Hospital number (as assigned by the data organization)	Data source hospital ID		X	Disc.	Disc.				X	X	X	The identifier assigned by the data organization to identify a hospital. § <i>Discontinued on the NIS and KID beginning with 2012.</i>	
	HCUP hospital ID number		X	Disc.	Disc.				X	X	X	Assigned by HCUP to each hospital in the state. HOSPID links HCUP databases. Available in HCUP Hospital file. <i>Discontinued on the NIS and KID beginning with 2012.</i>	
	AHA hospital ID		X	Disc.	Disc.				X	X	X	Assigned from the American Hospital Association (AHA), Annual Survey Database. § Available in HCUP Hospital file. <i>Discontinued on the NIS and KID beginning with 2012.</i>	
	Hospital NPI		X							X	X	X	Contains National Provider Identifier (NPI) if the data organization provides both a state-specific hospital identifier and the NPI for the facility. <i>Added to HCUP data in 2008</i>
	NIS hospital ID				X								The following database-specific hospital identifiers cannot be used to directly identify hospitals; do not identify the state of hospital; do not link to external databases; and do not link across years (values are reassigned each year). HOSP_NIS is an HCUP hospital identifier created specifically for the NIS. <i>Added to NIS data in 2012</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD
Hospital number - continued	KID hospital ID				X							HOSP_KID is an HCUP hospital identifier created specifically for the KID. <i>Added to KID data in 2012</i>
	NASS hospital ID (KEY NASS)					X						HOSP_NASS is an HCUP hospital identifier created specifically for the NASS.
	NEDS hospital ID						X					HOSP_ED is an HCUP hospital identifier created specifically for the NEDS.
	NRD hospital ID								X			HOSP_NRD is an HCUP hospital identifier created specifically for the NRD.
--	HCUP record ID (KEY)	X	X	Disc.	Disc.				X	X	X	HCUP unique record identifier, or key. Used to link HCUP databases. <i>Discontinued on the NIS beginning with 2012.</i>
--	HCUP record ID – NIS only (KEY NIS)			X								HCUP unique record identifier for the respective database. Does not link to other HCUP databases or previous years. KEY_NIS is assigned for the National Inpatient Sample (NIS). <i>Added to HCUP data in 2012</i>
-	HCUP record ID – KID only (RECNUM)				X							RECNUM is assigned for the Kids' Inpatient Database (KID). <i>Included in the KID for 1997, 2003 and subsequent years</i>
-	HCUP record ID – NASS only (KEY NASS)					X						KEY_NASS is assigned for Nationwide Ambulatory Surgery Sample (NASS)

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
--	HCUP record ID – NEDS only (KEY_ED)						X					KEY_ED is assigned for the Nationwide Emergency Department Sample (NEDS).	
--	HCUP record ID – NRD only (KEY_NRD)							X				KEY_NRD is assigned for the Nationwide Readmissions Database (NRD).	
Data source record identifier	DSRECID	X										Links unique records across source data files (for character data)	
Data source record number	DSRECNUM	X										Links unique records across source data files (for numeric data)	
PATIENT INFORMATION													
Medical record number, encrypted	MRN (as received from source)	X										Provided data must be encrypted by the data organization.	
	MRN (reassigned a unique code)		X						X	X	X	HCUP reassigns a unique code to encrypted medical record numbers received from Partners to protect patient identity.	
Mother's medical record number, encrypted	Mother's MRN (as received from source)	X										Mother's medical record number for a newborn.	
	Mother's MRN (reassigned a unique code)		X						X	X	X	HCUP reassigns a unique code to 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.	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
	Person number (reassigns a unique code)		X						X	X	X	HCUP reassigned a unique code to patient numbers received from Partners to protect patient identity.
	Visit Link Days to Event		X						X	X	X	HCUP creates verified person numbers for States that have encrypted person identifiers. The visit linkage variable for each unique patient (VisitLink) can be used in tandem with the number of days between visits (DaysToEvent) to study readmissions. § <i>Added to HCUP data in 2003. Released as supplemental files from 2003-2008. Included on the State core files beginning with 2009. Beginning with 2013, AHRQ no longer releases a States' person numbers (reassigned a unique code) in conjunction with its visit linkage variables.</i>
	NRD Visit Link NRD Days to Event							X				Patient linkage number specific to the NRD and timing variable used to identify days between admissions. Not linkable to any other HCUP or external databases.

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD
HOSPITAL INFORMATION												
--	Hospital state postal code		X	Disc.	Disc.				X	X	X	Assigned by HCUP. Two-character state postal code, e.g., 'CA' for California. <i>Discontinued on the NIS and KID beginning with 2012.</i>
--	Hospital state-county FIPS code		X	Disc.	Disc.				X	X	X	Assigned by HCUP. § <i>Discontinued on the NIS and KID beginning with 2012.</i>
--	AHA-defined: hospital name address city ZIP Code		X	Disc.	Disc.							Assigned by HCUP from AHA Annual Survey Database. Not available for some states on the NIS and KID. § <i>Discontinued on the NIS and KID beginning with 2012.</i>
--	Freestanding ambulatory surgery center		Disc.							Disc.	Disc.	Assigned by HCUP. Indicates whether ambulatory surgery center is a freestanding or hospital-based facility (0/1). Discontinued in 2018.
	Hospital-owned Ambulatory Surgery Center		X							X		Indicates whether ambulatory surgery center is hospital-owned (0/1). <i>Added to HCUP in 2018.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
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 (reassigns a unique code)		X	Disc.	Disc.				X	X	X	HCUP reassigned a unique code to physician identification numbers to protect identity. <i>Discontinued on the NIS beginning with 2010 and on the KID beginning with 2012.</i>	
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 through the physician ID.	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
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	Full dates are not released. Birth month (BMONTH) and year (BYEAR) are derived from birth date during processing.
Patient age	Age in years at admission		X	X	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. Ages 90 or older are set to 90 on the nationwide databases beginning with the 2012 data year.
	Neonate Age		X	X	X					X	X	X	Indicator of neonatal age 28 days or younger at admission (0/1 indicator). <i>Added to HCUP NIS and KID in 2012. Added to HCUP State databases in 2015.</i>
	Age in days (when age is less than 1 year)		X		Disc.	Disc.					X	X	X

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
	Age in months (when age is less than 11 years)		X		Disc.				X	X	X	Age in months on the date of admission, for ages of less than 11 years. May be calculated by HCUP. § <i>Discontinued on the KID beginning with 2012.</i>	
Patient sex	Female		X	X	X	X	X	X	X	X	X	The gender of the patient.	
Patient race	Race, uniform		X	X	X	X		X	X	X	X	The race of the patient. HCUP groups the supplied race codes into uniform categories. NRD will release only if all States in the NRD report race. <i>Will be included in the NASS when all Partners in NASS report Race.</i>	
	Race (as received from source)		X						X	X	X	Retained as provided by the source. Ethnicity information is coded in HISPANIC_X.	
--	Race edit checks RACE_EDIT		X						X			Race edit checks. Four-level flag of potential signals that the coding of race/ethnicity at a hospital is limited. <i>Added to the SID in 2017.</i>	
Patient ethnicity	Hispanic (uniform)		X									Hispanic ethnicity of the patient. HCUP groups the supplied race and ethnicity codes into uniform categories (Hispanic, not Hispanic; white, black, other). <i>Added to the intramural SID, SASD and the SEDD in 2015.</i>	
	Hispanic_X (as received from source)		X						X	X	X	Retained as provided by the source. Ethnicity of the patient. Indicates if the patient is Hispanic, and sometimes to show the region of origin, (e.g. Mexican, Puerto Rican, etc.).	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
Patient county	Patient state-county FIPS code PSTCO_GEO PSTCO_POP		X						X	X	X	FIPS code: As reported by source or derived from ZIP code. <i>Added to HCUP data 2018:</i> PSTCO_GEO: Assigned from ZIP code geographic centroid map data. PSTCO_POP: Assigned from ZIP code population center using Claritas data.	
Patient city of residence	Patient City PCITY		X									As reported by source. <i>Added to HCUP data 2017.</i>	
Patient state of residence	Patient state postal code		X						X	X	X	As reported by source or derived from ZIP code.	
Patient ZIP code (5-digit)	ZIP Code (5 digit)	Disc.	X						X	X	X	The 5-digit ZIP Code of the patient's residence. Moved to the Intramural core files starting with 2014 data unless otherwise required by HCUP Partner. § <i>ZIP Codes for one State remain in the Data Development files.</i>	
	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) ZIPINC_QRTL		X	X	X	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.

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
	Median income quartiles (state-specific distribution)		X						X	X	X	HCUP assigns four broad categories based on the <i>state-specific distribution</i> of the median household income of the patient's ZIP code of residence.	
	Median household income (ungrouped)	X										<i>Assigned to Data Development files starting with 2005 data year (MEDINC).</i>	
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	X	X	Admission day "on weekend" is derived from admission date during processing.	
	Admission month		X	X	X	X	X		X	X	X	Full dates are not released. Admission month (AMONTH) and year (AYEAR) are 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 month		X					X	X	X	X	Full dates are not released. Discharge month (DMONTH) is derived from discharge date during processing. § <i>Month was added to intramural SID, SASD and SEDD in 2013.</i>	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
	Discharge quarter (uniform) and year		X	X	X	X	X	X	X	X	X	Full dates are not released. Discharge quarter (DQTR) and year (YEAR) are derived from discharge date during processing.
	Discharge quarter (as received from source)			Disc.	Disc.							<i>Added to HCUP data in 2006. <u>Discontinued</u> on the NIS and KID beginning with 2012.</i>
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. <i>Added to the SASD and the SEDD in 2001, and the SID in 2003.</i>
Length of stay (same day stay = 0 days)	Length of stay (cleaned)		X	X	X			X	X	X	X	Length of hospital stay in days. HCUP keeps two versions: 1) as supplied by source (LOS_X), and 2) a cleaned version that sets extreme values to missing (LOS). Admission and discharge on same day is coded as zero (0).
	Length of stay (as received from source)		X	Disc.	Disc.				X	X	X	<i>Discontinued on the NIS and KID beginning with 2012.</i>
	Length of stay for NEDS (inpatient only)							X				

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD
Type of admission/ visit	Type of admission		X	Disc.	Disc.				X	X	X	The priority of the admission or type of admission or visit (emergency, urgent, elective, newborn). Rarely reported for outpatient encounters. <i>Discontinued on the NIS and KID beginning with 2012.</i>
	Elective admission			X	X			X				A yes/no indicator that is derived from the Type of Admission. <i>Added to the KID in 2003 and the NIS beginning in 2002.</i>
Point of origin / Source of admission	Point of origin (UB-04 coding) and (as received from source)		X	Disc.	Disc.				X	X	X	Replaces "Source of Admission" in the UB-04 specifications. HCUP keeps two versions: 1) as supplied, 2) using UB-04 coding. <i>Added to HCUP data in 2007. Added to the KID in 2009. Discontinued on the NIS and KID beginning with 2012.</i>
	Admission source (UB-92 coding) (uniform) (as received from source)		X	Disc.	Disc.				X	X	X	To accommodate different time frames for adopting the new coding, HCUP continued to use Admission Source elements where appropriate. Valid until Oct 1, 2007. Replaced by "Point of Origin." HCUP keeps three versions: 1) using UB-92 coding (<i>added to HCUP data in 2002</i>), 2) grouped into uniform categories, 3) as supplied (<i>added to HCUP data in 1998</i>). <i>Discontinued on the NIS and KID beginning with 2012.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
	Transfer Indicator (TRAN_IN)		X	X	X				X			<p>“Transfer in” is derived from Admission Source and Point of Origin. This data element indicates the type of transfer: from an acute care hospital; another type of health care facility; or not a transfer.</p> <p><i>Added to the NIS in 2008. Added to SID and KID in 2009.</i></p>	
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)		X	X	X	X		X	X	X		<p>HCUP keeps three additional versions:</p> <ol style="list-style-type: none"> 1) grouped into uniform categories, 2) UB-92 coding (through 2006) 3) UB-04 coding (valid for 2007-2011). 	
	Disposition of patient (UB-92 coding) (UB-04 coding)		X	Disc.	Disc.					X	X	X	<u><i>DISPUB04 was discontinued on the NIS and KID beginning with 2012.</i></u>
	Disposition of patient from ED and from inpatient admission							X					DISP_IP and DISP_ED indicate the disposition of the patient at discharge from an inpatient stay or emergency department.
	Transfer Indicator (TRAN_OUT)			X	X	X				X			<p>“Transfer out” is derived from uniform discharge status. This data element indicates the type of transfer: to an acute care hospital; another type of health care facility; or not a transfer.</p> <p><i>Added to the HCUP state data in 2009. Added to the NIS in 2010. Added to the KID in 2012.</i></p>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
Principal and secondary diagnoses – as many as collected	Diagnoses (ICD-9-CM) (ICD-10-CM)		X	X	X	X	X	X	X	X	X	The first-listed diagnosis is the principal ICD-9-CM or ICD-10-CM diagnosis established to be chiefly responsible for the admission of the patient for treatment. <i>Added ICD-10-CM diagnoses to the HCUP data in Q4 2015.</i>	
	Admitting Diagnoses (ICD-9-CM) (ICD-10-CM)		X						X			ICD-9-CM code that describes the patient's diagnosis at the time of admission. HCUP added ICD-10-CM admitting diagnosis in 2015. <i>Added to SID beginning with 2012. Added ICD-10-CM version in Q4 2015.</i>	
	Number of reported diagnoses (ICD-9-CM) (ICD-10-CM)		X	X	X	X	X	X	X	X	X	X	The total number of diagnoses (valid and invalid) coded on the discharge record. <i>Added ICD-10-CM version in Q4 2015.</i>
Patient's reason for visit – as many as collected	Reason for visit	X	X							X	X	The ICD-9-CM diagnosis codes describing the patient's reason for visit at time of outpatient registration. Beginning Q4 2015, the visit reason is stored in the data element as ICD-10-CM visit reason. <i>Added to the HCUP databases in 2003.</i>	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
Diagnosis Code Qualifier (ICD Revision)	Diagnosis codes ICD version indicator		Disc.	Disc.	Disc.		Disc.	Disc.	Disc.	Disc.	Disc.	Indicator of whether ICD-9-CM or ICD-10-CM coding system was used for diagnoses. <i>Added to HCUP state databases in 2014. Added to the NIS, NEDS and NRD in 2015. Added to the KID in 2016. Discontinued in 2018.</i> <i>Will be added to the NASS if NASS databases are created pre-2016.</i>
External Cause of Injury codes (if coded separately from diagnosis fields)	External Cause of Injury / Morbidity (ICD-9-CM) (ICD-10-CM)		Disc.	Disc.	Disc.		Disc.	Disc.	Disc.	Disc.	Disc.	Cause of injury and/or place of occurrence E codes (ICD-9-CM) or cause of morbidity (ICD-10-CM). <i>Beginning with 2003, HCUP creates distinct fields for E codes, including any reported in the diagnosis array or provided separately by the source.</i> <i>Discontinued in 2017. HCUP includes external cause of morbidity codes with other diagnoses in the diagnosis-related data elements (I10_DXn, I10_NDX, and DXPOAn); no longer retained in separate data elements. .</i>
	Number of Cause of Injury / Morbidity Codes (ICD-9-CM) (ICD-10-CM/PCS)		Disc.	Disc.	Disc.		Disc.	Disc.	Disc.	Disc.	Disc.	The total number of External Cause of Injury (E-codes) or Cause of Morbidity codes (valid and invalid) coded on the discharge record.
External Cause of Morbidity codes	External Cause of Morbidity Code		X	X	X		X	X	X	X	X	ICD-10-CM external cause of morbidity codes (i.e., codes starting with V, W, X, and Y). <i>Added to HCUP data in Q4 2015.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
	Number of reported External Cause of Morbidity codes		X	X	X		X	X	X	X	X	The total number of external cause of morbidity codes (valid and invalid) coded on the discharge record. <i>Added to HCUP data in Q4 2015.</i>
Present on admission (POA) indicator	Diagnosis present at admission (ICD-9-CM) (ICD-10-CM) I10-DXPOAn		X			X		X	X	X	X	Indicator of diagnosis or E code was present at the time the order for inpatient admission occurred. Called DxAtAdmitn in earlier years. To be released on NRD when all participating states provide POA. <i>Added to HCUP state data in 2007.</i> <i>Will be included in the NASS when all Partners in NASS report POA.</i>
	E codes present at admission (ICD-9-CM) (ICD-10-CM)		Disc.			Disc.			Disc.	Disc.	Disc.	<i>Discontinued in 2017. HCUP includes external cause of morbidity codes with other diagnoses in the diagnosis-related data elements (I10_DXn, I10_NDX, and DXPOAn); no longer retained in separate data elements.</i>
	POA discharge- and hospital-level edits		X							X	X	X

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
Principal and secondary procedures – as many as collected	Procedures (ICD-9-CM) (ICD-10-PCS)		X	X	X			X	X	X	X	The ICD-9-CM or ICD-10- PCS codes that identify the principal and all other significant procedures performed during the stay. Provide additional, secondary procedures if available. <i>HCUP added ICD-10-PCS procedures in 2015.</i>	
	Procedures for NEDS – from SID (ICD-9-CM) (ICD-10-PCS)						X					PR_IP and I10_PR_IP include the ICD-9-CM or ICD-10-PCS procedures that were retained from SID-based records in the NEDS.	
	Procedures for NEDS – from SEDD (ICD-9-CM)							X					PR_ED includes the ICD-9-CM procedures that were retained from SID-based records in the NEDS. There is no equivalent ICD-10- PCS data element.
	Number of reported procedures (ICD-9-CM) (ICD-10-CM)			X	X	X		X	X	X	X	X	The total number of ICD-9-CM procedures (valid and invalid) coded on the discharge record. For data beginning in the fourth quarter of 2015, the count of procedures is stored in the data element I10_NPR to indicate the implementation of the ICD-10-CM/PCS coding system. <i>The number of procedures from the SEDD (NPR_ED) was discontinued in the NEDS beginning 2015.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
Procedure coding method used	Procedure type indicator (ICD-9-CM) (ICD-10-PCS)		X						X	X	X	Indicates type of procedure code reported on the record: ICD-9-CM, CPT/HCPCS, or both. Beginning in the fourth quarter of 2015, the element I10_PROCTYPE indicates type of procedure code reported on the record: ICD-10-PCS, CPT/HCPCS, or both. <i>Added to the NIS, NEDS, and NRD in 2015.</i>	
Procedure Code Qualifier (ICD Revision)	Procedure code ICD version indicator		Disc.	Disc.			Disc.	Disc.	Disc.	Disc.	Disc.	Indicator of whether ICD-9-CM or ICD-10-PCS coding system was used for procedures. <i>Added to HCUP intramural state databases in 2014. Added to the NIS, NEDS, and NRD in 2015.</i> <i>Discontinued in 2018.</i>	
Date of principal and secondary procedures	Date of procedure(s)	X										As many dates of ICD-9-CM or ICD-10-PCS procedures as are collected by the data organization. May include procedures performed before the date of admission (e.g., pre-admission tests).	
	Procedure month and year								X	X	X	Full dates are not released. Procedure month (PRMONTHb) and year (PRYEARn) are derived from procedure date during processing. §	
Days from admission to procedure(s)	Days from admission to procedure (for ICD-9-CM or ICD-10-PCS codes)		X	X	X			X	X	X	X	HCUP assigns values from dates for ICD-9-CM or ICD-10-PCS procedures during processing or from supplied fields. To be released on NRD when available from all participating States.	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
PAYMENT INFORMATION													
Total charges for stay or visit	Total charges (cleaned)		X	X	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 (as received from source)		X	Disc.	Disc.				X	X	X	<i>Discontinued on the NIS and KID beginning with 2012.</i>	
	Total charges for NEDS (inpatient and ED)							X					TOTCHG_IP and TOTCHG_ED indicate total charges that were retained from SID and SEDD-based records in the NEDS.

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
Expected payer, grouped – as many as collected	Expected payer (as received from source)		X	Disc.	Disc.				X	X	X	<p>The type of plan from which the provider expects payment for the bill. May be aggregated at a relatively high level (such as Medicare, Medicaid, HMO, commercial insurance, etc.) or provided with greater detail.</p> <p>HCUP keeps two versions:</p> <p>1) as supplied by data source (PAY1_X – PAY3_X), and</p> <p>2) HCUP uniform format (PAYn).</p> <p>Note: Tertiary payer is not included on the NIS, KID, and NEDS. Secondary and Tertiary payer are not included in the NASS.</p> <p><i>Discontinued payer as supplied by source (PAY1_X, PAY2_X) and secondary payer (PAY2) on the NIS and KID beginning with 2012.</i></p>
	Expected payer (uniform)		X	X	X	X	X	X	X	X	X	
Expected payer, by plan name – as many as collected	Expected payer, (by plan name)		X						X	X	X	<p>Detailed identification or names of health plans from which the provider expects payment for the bill. This data identifies specific payers such as individual HMO plans or insurance carriers.</p>
Type of Bill	Bill type		X						X	X	X	<p>Standard UB-04 code indicating the specific type of bill (i.e., hospital inpatient, outpatient, adjustment, and void).</p> <p><i>Excluded from the SID for 2005-2012.</i></p>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
SERVICE DETAIL													
Revenue codes	Revenue center codes, associated with charges (grouped revenue codes and charges) or (line item revenue codes and charges)		X							X	X	X	Revenue center codes identify specific accommodation, ancillary service, or billing calculations. Many states use UB-04 codes; some states have developed their own coding scheme.
CPT/HCPCS codes – as many as collected	CPT/HCPCS, (array) or (line item)		X			X				X	X	X	The CPT and/or HCPCS procedure codes provided as an array (CPTn) or line item entries (CPTHPCPS) are retained as provided by the source.
	Number of reported CPT/HCPCS codes		X			X	X			X	X	X	The total number CPT/HCPCS procedures (valid and invalid) coded on the discharge record.
CPT/HCPCS modifiers	CPT/HCPCS modifiers (array) or (line item)		X			X				X	X	X	CPT/HCPCS modifiers (CPTM1_n and CPTM2_n) and line item modifiers (CPTMOD1 and CPTMOD2) are retained as provided by the source. <i>Will be included in the NASS when all Partners in NASS report CPT modifiers.</i>
Rates	Accommodation rates (array) or (line item)		X							X			The daily rate (RATEn) and line item rate (RATE) are retained as provided by the source.

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
Service date/day	Days from admission to outpatient CPT/HCPCS service (line item)		X						X	X	X	HCUP calculates days from admission date to the outpatient CPT/HCPCS service (SERVDAY) during processing. Date of service is not retained on the HCUP databases.	
Units of service	Units, associated with (array) or (line item)		X						X	X	X	Unit of service (UNITn) and line item units (UNITS) are retained as provided by the source.	
Total Charges by revenue code	Line item charges or Charge summary, reported with associated revenue center(s) or Detail charges, reported without revenue codes		X						X	X	X	Total charges related to the revenue code. Charges may be reported in association with a corresponding revenue code field (per UB-04 specifications) or reported by revenue type (defined by data organization's charge detail fields). HCUP uses three different schemes for retaining charges: 1) CHARGE: Associated with a corresponding line item revenue code (REVCODE). 2) REVCHGn: Grouped by revenue center (REVCDn). <i>Added to HCUP data in 2005.</i> 3) CHGn: Detailed charge array for grouped revenue centers – in a fixed order defined by data organization.	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
DISEASE SEVERITY MEASURES – ASSIGNED BY HCUP													
--	All Patient Refined DRG (3M APR-DRG)		X	X	X			X				Severity measures were added to HCUP data beginning with 2002 NIS, 2003 KID, and 2003 Intramural SID. Measures created by HCUP using licensed software are not available on Central Distributor State databases.	
--	All-Payer Severity-Adjusted DRG (Ingenix APS-DRG)		X	Disc	Disc							APS-DRGs are assigned using software developed by Ingenix (now OptumInsight), and weights developed using the NIS. <i>Discontinued on the 2010 NIS and KID, and the 2011 intramural SID.</i>	
--	Disease Staging (Medstat)		X	Disc.	Disc.							Disease Staging was assigned using software developed by Medstat. <i>HCUP discontinued weights for mortality, LOS, and total charges beginning with the 2008 NIS, 2009 KID, and 2009 intramural SID.</i> <i>Discontinued disease category and stage of principal diagnosis beginning with the 2011 data.</i>	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
--	Elixhauser Comorbidity Measures			Disc.	Disc.			Disc.	Disc.			<p>Comorbidity measures include the prefix "CM_."</p> <p><i>Added to HCUP data beginning with the 2002 NIS and SID, and 2003 KID.</i></p> <p><i>Discontinued on NIS, KID, and NRD in Q4 2015.</i></p> <p><i>Discontinued on SID in 2016.</i></p> <p><i>Available as standalone ICD-10-CM tool on HCUP-US.</i></p>
DISEASE SEVERITY MEASURES – As PROVIDED BY DATA ORGANIZATION												
All Patient Refined DRG	APR DRG (as received from source)		X						X			<p>Retained as provided by the source. Called ADRG to distinguish from APR-DRG created under HCUP's license with 3M.</p> <p>Only released on the Central Distributor SID if measures are provided by Data Organization.</p>
All-Payer Severity-Adjusted DRG	APS DRG (as received from source)		X						X			<p>Retained as provided by the source. Called APSDRG_X to distinguish from APS-DRG created under HCUP's license with 3M.</p> <p>Only released on the Central Distributor SID if measures are provided by Data Organization.</p>
Ambulatory Patient Group (APG)	APG code, category, and type (as received from source)		X							X	X	<p>Classification system used for outpatient data. Retained as provided by the source.</p>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD
Ambulatory Payment Classification code	Ambulatory Payment Classification (APC) (as received from source)		X							X	X	In most cases, the unit of payment under the Medicare Outpatient Prospective Payment System (OPPS) is the APC. CMS assigns individual services (HCPCS codes) to APCs based on similar clinical characteristics and similar costs. The payment rate and copayment calculated for an APC apply to each service within the APC. <i>Added to HCUP data in 2008.</i>
Refined DRG (Solucient RDRG)	Refined DRG (as received from source)		X						X			Retained as provided by the source.

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
HCUP SOFTWARE TOOLS													
<p align="center"><i>Beginning with Q4 2015, the measures assigned from HCUP Tools for ICD-10-CM/PCS are no longer provided on HCUP nationwide data. The standalone software for ICD-10-CM/PCS tools remains available for users to run the most current versions at www.hcup-us.ahrq.gov/tools_software.jsp.</i></p>													
	Clinical Classifications Software (CCS) for diagnoses, (ICD-9-CM) (ICD-10-CM) procedures, (ICD-9-CM) (ICD-10-PCS)											<p>HCUP assigns Clinical Classification Software (CCS) categories. Assigned for diagnoses (DXCCSn), procedures (PRCCSn), and E codes (E_CCSn).</p> <p><i>Discontinued on NIS, KID, NEDS, and NRD in Q4 2015.</i></p> <p><i>Discontinued on State data in 2016.</i></p> <p><i>CCS for diagnoses to be included in the NASS when ICD-10_CM is available.</i></p> <p><i>Available as standalone ICD-10-CM tool on HCUP-US.</i></p>	
	Clinical Classifications Software (CCS) for E Codes (ICD-9-CM) (ICD-10-CM)		Disc.	Disc.	Disc.	Disc.	Disc.	Disc.	Disc.	Disc.	Disc.	<p><i>Discontinued in 2017. HCUP includes external cause of morbidity codes with other diagnoses in the diagnosis-related data elements (I10_DXn, I10_NDX, and DXPOAn); no longer retained in separate data elements.</i></p>	
	CCS for procedures from ED and inpatient admission					X	Disc.					<p>PRCCS_IP and PRCCS_ED indicate the procedure CCS categories for SID and SEDD-based records in the NEDS.</p> <p><i>Discontinued or temporarily discontinued on HCUP data in 2015. Available as standalone ICD-10-PCS and CPT/HCPCS tools on HCUP-US.</i></p>	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
	Multi-Level CCS for diagnoses, (ICD-9-CM) (ICD-10-CM) procedures, (ICD-9-CM) (ICD-10-PCS) and E Codes (ICD-9-CM) (ICD-10-CM)		X	Disc.	Disc.	X		Disc.	Disc.	Disc.	Disc.	<p>Groups single-level CCS categories into broader body systems or condition categories (DXMCCSn, PRMCCSn, E_MCCSn). Also splits single-level CCS categories to provide more detailed information about conditions. Includes only principal diagnosis, procedure, and E code in NRD.</p> <p><i>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.</i></p> <p><i>Discontinued on NIS, KID, NEDS, and NRD in Q4 2015. Available as standalone ICD-10-CM tool on HCUP-US.</i></p> <p><i>Discontinued or temporarily discontinued 110 categories on the Central Distributor files in 2016.</i></p>
--	CCS-Services and Procedures		X			X	X		X	X	X	<p>HCUP assigns Clinical Classification Software categories using CPT/HCPCS-based data (CPTCCSn).</p>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD
	CCS for Mental Health and Substance Abuse (CCS-MHSA) for general and specific categories		Disc.	Disc.	Disc.				Disc.	Disc.	Disc.	Beginning with 2008, the CCS for Mental Health and Substance Abuse (CCS-MHSA) categories were permanently integrated into the Clinical Classifications Software (CCS). The CCS-MHSA assigns variables that identify mental health and substance abuse-related diagnoses using the ICD-9-CM diagnosis codes, at the general (CCSMGNn) and specific (CCSMSPn) classifications. <i>Included in HCUP data only for 2005-2006.</i>
--	Chronic Condition Indicator (ICD-9-CM) (ICD-10-CM)			Disc.	Disc.		Disc.	Disc.	Disc.	Disc.	Disc.	Assigned based on diagnoses to indicate chronic and non-chronic conditions. <i>Added to HCUP data in 2005. §</i> <i>Discontinued on NIS, KID, NEDS, and NRD in Q4 2015.</i> <i>Discontinued on State data in 2016.</i> <i>Available as standalone ICD-10-CM tool on HCUP-US.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD
	Number of chronic conditions (NCHRONIC) (BODYSYSTEMn) (ICD-9-CM) (ICD-10-CM)		X	Disc.	Disc.			Disc.	Disc.	Disc.	Disc.	The number of chronic conditions on each record. <i>NCHRONIC</i> was added to the NIS in 2008. Added to the SID, SASD, SEDD, and KID in 2009. BodySystem was added to HCUP data in 2014. <i>Discontinued</i> on NIS, KID, and NRD in Q4 2015. <i>Discontinued</i> on State data in 2016. Available as standalone ICD-10-CM tool on HCUP-US. <i>Discontinued</i> ICD-10-CM-PCS on State data in 2016.
--	Procedure classes (ICD-9-CM) (ICD-10-PCS)		X	Disc.	Disc.		Disc.	Disc.	Disc.	Disc.	Disc.	Assigned to each procedure to indicate minor/major therapeutic and diagnostic procedures. Added to HCUP data in 2005. <i>Discontinued or temporarily discontinued</i> on NIS, KID, NEDS, and NRD in Q4 2015. <i>Discontinued</i> on State data in 2016. <i>Discontinued or temporarily discontinued</i> ICD-10-CM-PCS on Central Distributor State data in 2016. Available as standalone ICD-10-CM tool on HCUP-US.

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD
--	<p>Surgery Flag Software</p> <p>Broad definition (Surgery Flag – Broad) SASD: (HCUP_SURGERY_BROAD_I9) (HCUP_SURGERY_BROAD_CPT)</p> <p>Narrow definition (Surgery Flag – Narrow) SASD: (HCUP_SURGERY_NARROW_I9) (HCUP_SURGERY_NARROW_CPT)</p>		X						2011 only	X	2011 only	<p>Identifies surgeries based on ICD-9-CM and CPT codes. Not assigned for ICD-10-PCS codes.</p> <p>AHRQ revised the HCUP definitions of ambulatory surgery in collaboration with an expert medical coder and general surgeon.</p> <p>Number of reported ICD-9-CM procedures or CPT procedures that qualify as a surgery using a broad definition or using a narrow definition.</p> <p><i>Included in HCUP 2011 data (one year only). Reinstated in HCUP SASD beginning with 2015.</i></p> <p><i>Discontinued or temporarily discontinued the ICD-9-CM based broad and narrow definitions in Q4 2015. Available as standalone ICD-10-PCS tool on HCUP-US.</i></p> <p><i>Discontinued or temporarily discontinued the ICD-9-CM based broad and narrow definitions in 2016.</i></p>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
--	Utilization Flags (ICD-9-CM) (ICD-10-PCS)									Disc.	Disc.	Disc.	Assigned based on a combination of UB-04 revenue codes and ICD-9-CM procedure codes. Only available if source provides revenue codes. Utilization flags include the prefix "U_." <i>Beginning with Q4 2015, only 10 of the 30 utilization flags were included on HCUP data.</i> <i>Discontinued or temporarily discontinued the ICD-10-PCS utilization flags from Central Distributor State files in 2016.</i>
HCUP SUPPLEMENTAL FILES													
--	Hospital-specific Cost-to-Charge Ratios (CCR File)		X	X	X		X	X	X			X	HCUP creates an estimate of the cost of hospital inpatient and emergency department services from the Medicare Cost Reports (MCR). The CCR for Inpatient Files begin with the 2000 data year. The initial CCR for Emergency Department Files will be released for 2016 data in early 2020. In addition, AHRQ may release back year files starting with 2012. Descriptions of the file and data elements are provided at www.hcup-us.ahrq.gov/db/state/costtocharge.jsp . Released on a separate file. Inpatient CCRs can be linked to the NIS, KID, NRD, and SID. Emergency Department CCRs can be linked to the NEDS and CD-SEDD. §

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
--	Price-to-Charge Ratios (PCR File)		X						X			HCUP creates an estimate of the payer-specific price of hospital services from financial files provided by certain States. Released on a separate file. Can be linked to the SID. §	
--	Hospital Market Structure measures (HMS File)		X	Disc.	Disc.				X			HCUP creates measures of hospital market competition. Descriptions of the file and data elements are provided at www.hcup-us.ahrq.gov/toolssoftware/hms/hms.jsp . Files for 1997, 2000, and 2003 are currently available. Released on a separate file. Can be linked to the NIS, KID, and CD-SID. § <i>Discontinued on the NIS and KID beginning with 2012.</i>	
--	HCUP Supplemental Files for Revisit Analyses		X						X	X	X	HCUP creates data elements to identify inpatient, ambulatory surgery, and ED readmissions (a linkage variable [VisitLink] for each unique patient and number of days between visits). Descriptions of the file and data elements are provided at www.hcup-us.ahrq.gov/toolssoftware/revisit/revisit.jsp . <i>The revisit data elements 2003-2008 data were released on supplemental files. Beginning with 2009, revisit elements were included in the core files. Can be linked to SID, SASD and SEDD. §</i>	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
--	American Hospital Association Linkage File									X	X	X	HCUP creates a public-release file containing a small number of AHA data elements. Information about the file is provided at www.hcup-us.ahrq.gov/db/state/ahalinkage/aha_linkage.jsp . Beginning with 2013, a “ <u>hospital non-rehab, non-long term acute care</u> ” indicator was added. 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		X			HCUP assigns two versions: 1) the current version in use on discharge date 2) version 24, in 2006 to 2014. 3) version 32, only available for 2015. 4) version 35, starting in 2017. Note: version 18 was assigned for 1998-2006 processing.
--	DRG_NoPOA and MDC_NoPOA		X	X	X		X	X		X			HCUP calculates DRG and MDC at discharge without present on admission codes. <i>DRG_NoPOA added to the SID, NIS and NEDS in 2008. Added to the KID in 2009.</i> <i>MDC_NoPOA was added to the NIS, KID, and NEDS in 2009. Added to the SID in 2010.</i>
	DRG version		X	X	X		X	X		X			Indicates the version of the DRG Grouper used to assign the DRG and MDC data elements

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
--	Died during hospitalization		X	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.
--	Hours in emergency department (DURATION)		X							X	X	HCUP calculates time spent in the emergency department in hours and minutes. <i>Added to HCUP data in 2011.</i>
--	Hospital birth (ICD-9-CM) (ICD-10-CM)		X	Disc.	X				Disc.	Disc.	Disc.	HCUP-assigned indicator that identifies discharges for births. Available on the KID for all years. <i>Added to HCUP data in 2006. Discontinued on NIS and KID in Q4 2015. Discontinued on State intramural outpatient data in 2017.</i>
--	Injury Diagnoses Any injury (ICD-9-CM) (ICD-10-CM) Multiple Injuries (ICD-9-CM) (ICD-10-CM)		Disc.				X.		Disc.	Disc.	Disc.	Injuries are identified from ICD-9-CM diagnosis codes using a scheme recommended by the State and Territorial Injury Prevention Directors Association (STIPDA). <i>Included in NEDS from 2009 through Q4 2015. Reinstated in NEDS as of 2017</i> <i>Added to HCUP State data in 2011. Added ICD-10-CM based injury measures in Q4 2015 only; discontinued in 2016.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
	Mechanism of injury (11 measures)		Disc.				Disc.		Disc.	Disc.	Disc.	<p>Mechanism and manner of injury are identified using external cause-of-injury codes (E Codes), consistent with a classification system used by the CDC. Severity is assigned using a publicly-available Stata program for Injury Classification (ICDPIC).</p> <p>Mechanism of injury flags use the prefix "INJURY_."</p> <p>Manner/intent of injury flags use the prefix "INTENT_."</p> <p><i>Indicator of self-harm was added to the NEDS in 2006; other measures were added to NEDS in 2009. Added to HCUP State data in 2011.</i></p> <p><i>Discontinued on HCUP data in Q4 2015. Measures have not yet been defined by the CDC for ICD-10-CM codes.</i></p>	
	Manner/intent of injury (3 measures): Assault Unintentional Intentional self-harm		Disc.				Disc.		Disc.	Disc.	Disc.		
	Injury severity score		Disc.				Disc.		Disc.	Disc.	Disc.		
--	Neonatal-maternal (ICD-9-CM) (ICD-10-CM)		Disc.	Disc.	Disc.				Disc.	Disc.	Disc.	<p>Indicator of neonatal or maternal diagnosis/procedure. <i>Discontinued on NIS and KID in Q4 2015.</i></p> <p><i>Discontinued on Intramural State data in 2018.</i></p> <p><i>Discontinued on Central Distributor State files in 2016.</i></p>	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
--	Major operating room procedure indicator (ORPROC) (ICD-9-CM) (ICD-10-CM)		X	Disc.	Disc.			Disc.	Disc.	Disc.	Disc.	Indicates presence of at least one major procedure during the stay (0/1 indicator). <i>Added to the NIS in 2008.</i> <i>Added to the SID and KID in 2009.</i> <i>Temporarily unavailable on NIS, KID, and NRD in Q4 2015.</i> <i>Temporarily unavailable on Central Distributor State files in 2016.</i> <i>Available as standalone Procedure Classes for ICD-10-PCS tool on HCUP-US.</i>
--	Observation stay time (OS_TIME)		X						X	X	X	HCUP calculates time spent in observation services (OS) from "units" reported in association with revenue center code 762. <i>Added to HCUP data in 2011.</i>
--	Service Line (ICD-9-CM) (ICD-10-CM)		X	Disc.				Disc.	Disc.			Indicator of five types of service (maternal & neonatal, mental health/substance use, injury, surgical, medical) <i>Added to HCUP NIS, NRD, and intramural SID in 2014.</i> <i>Discontinued on NIS and NRD in Q4 2015.</i> <i>Discontinued on State Central Distributor files in 2016.</i>
-	NRD Same Day Event							X				Identifies transfer and same-day stay pairs records by type
--	Rehab Transfer							X				Indicates a combined record involving transfer to rehabilitation, evaluation, or other aftercare.

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
--	Urban/rural patient location: Core Based Statistical Areas (CBSA) (PL_CBSA)		X						X	X	X		
--	Urban/rural patient location: NCHS Urban-Rural Code (PL_NCHS) (PL_NCHS2006)		X	X	X		X	X	X	X	X	HCUP assigns a categorical urban-rural designation for the patient's county of residence based on National Center for Health Statistics (NCHS) data. <i>Added to the HCUP state databases in 2005; KID and NEDS in 2006; NIS in 2007. Renamed in 2013.</i>	
--	Urban/rural patient location: Rural-Urban Continuum (RUCC) Codes (PL_RUCC) (PL_RUCC2003)		Disc.						Disc.	Disc.	Disc.	HCUP assigns a categorical urban-rural designation for the patient's county of residence based on Rural-Urban Continuum Codes (RUCC). <i>Renamed in 2013. Discontinued in 2018.</i>	
--	Urban/rural patient location: Urban influence codes (UIC) (PL_UIC) (PL_UIC2003)		Disc.						Disc.	Disc.	Disc.	HCUP assigns a categorical urban-rural designation for the patient's county of residence based on the OMB's Urban Influence Codes (UIC). This categorization emphasizes the relationship of outlying counties to major metropolitan areas. <i>Added to the Intramural files in 2002. Added to the Central Distributor files in 2003. Renamed in 2013. Discontinued in 2018.</i>	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
--	Urban-rural patient location: four-category adaptation of UICs (PL_UR_CAT4)		X	2003-2006	2003					X	X	X	This is a simplified adaptation of the 2003 UICs. <i>Note: the five-category PL_UR_CAT5 was dropped from HCUP data in 2007.</i>
--	Urban/rural patient location - additional measures		X							X	X	X	HCUP has assigned additional measures of patient location to intramural databases in previous years. These measures are based on: Core Based Statistical Area (CBSA) Metropolitan Statistical Area (MSA) ~discontinued 2013 Rural-Urban Commuting Area (RUCA) Codes Rural-Urban Continuum Codes (RUCC).
WEIGHTS AND SAMPLING STRATA FOR NATIONWIDE DATABASES													
--	National discharge weights for NIS , KID , NASS , NEDS , NRD				X	X	X	X	X				Used for weighting discharges in the NIS, KID, NASS, NEDS, and NRD to the "universe" of discharges from all community hospitals located in the U.S.
	Trend weights for NIS and KID				X	X							Used for trend analyses of the 1993-2011 NIS and 1997 KID in place of the original discharge weights. These weights are available on HCUP Supplemental Files.
--	National hospital weights, NIS and NEDS				Disc.				X				Used for weighting sampled hospitals to the "universe" of all community hospitals located in the U.S. <i>Discontinued on the NIS and NEDS beginning with 2012.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
--	HCUP hospital stratum identifiers for NIS and KID: NIS Stratum KID Stratum Bedsized Census division* Census region* Control/ownership Location/teaching status (combined)		X	X	X							Assigned to the NIS and KID from the American Hospital Association (AHA), Annual Survey Database. <i>*Prior to 2012, the NIS and KID were stratified by census region. Beginning with 2012, they are stratified by census division.</i>
--	Children's hospital status , for sampling				Disc.							Assigned based on information provided by the National Association of Children's Hospitals and Related Institutions (NACHRI). <i>Discontinued on the KID beginning with 2012.</i>
--	HCUP sampling strata identifiers for NASS: NASS_Stratum Bedsized Census region Control/ownership Teaching status Location					X						Assigned to the NASS from the American Hospital Association (AHA), Annual Survey Database and information from the Centers for Medicare & Medicaid Services (CMS).

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD		CD-SEDD
--	HCUP sampling strata identifiers for NEDS: NEDS Stratum Census region Control/ownership Teaching status Trauma center Urban/rural location						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.
--	HCUP sampling strata identifiers for NRD: NRD Stratum Bedsizes Control/ownership Teaching status Urban/rural							X				Assigned to the NRD from the American Hospital Association (AHA), Annual Survey Database. The values of NRD_STRATUM are masked and differ from year to year. The three-digit value represents the hospital's census region, urban/rural location, teaching status, bed size, and ownership/control.
--	Total SASD visits with 1+ narrow surgery					X						Identifies the sources of NEDS records (SID or SEDD)

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
HOSPITAL CHARACTERISTICS DERIVED FROM AHA ANNUAL SURVEY DATABASE													
--	Multi-hospital system membership			Disc.	Disc.							Indicates hospital is member of multi-hospital system. Assigned from the American Hospital Association (AHA), Annual Survey Database. § <i>Added to HCUP data in 2007.</i> <i>Discontinued on the NIS and KID beginning with 2012.</i>	
--	Multi-hospital system cluster code			Disc.	Disc.							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. § <i>Added to HCUP data in 2007.</i> <i>Discontinued on the NIS and KID beginning with 2012.</i>	
--	Percentage of RNs among licensed nurses			Disc.	Disc.							Licensed nurses include both RNs and LPNs. Assigned from the American Hospital Association (AHA), Annual Survey Database. § <i>Added to HCUP data in 2007.</i> <i>Discontinued on the NIS and KID beginning with 2012.</i>	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
--	RN FTEs per 1000 adjusted inpatient days			Disc.	Disc.							Assigned from the American Hospital Association (AHA), Annual Survey Database. § <i>Added to HCUP data in 2007. Discontinued on the NIS and KID beginning with 2012.</i>
--	LPN FTEs per 1000 adjusted inpatient days			Disc.	Disc.							Assigned from the American Hospital Association (AHA), Annual Survey Database. § <i>Added to HCUP data in 2007. Discontinued on the NIS and KID beginning with 2012.</i>
--	Nurse Aide FTEs per 1000 adjusted inpatient days			Disc.	Disc.							Assigned from the American Hospital Association (AHA), Annual Survey Database. § <i>Added to HCUP data in 2007. Discontinued on the NIS and KID beginning with 2012.</i>
--	Percentage of all surgeries performed in outpatient setting			Disc.	Disc.							Assigned from the American Hospital Association (AHA), Annual Survey Database. § <i>Added to HCUP data in 2007. Discontinued on the NIS and KID beginning with 2012.</i>
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	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).

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release							Description/Comments	
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	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).
ADDITIONAL MEASURES TO IDENTIFY OUTPATIENT SERVICE TYPE												
Indicator of SASD Visits for NASS	TOTAL_ASVISITS					X						Total SASD visits with one or more narrow surgeries
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. <i>Added to the SID in 2010.</i>
Indicator of ambulatory surgery services	Defined by organization Defined by HCUP		X							X	X	HCUP requests state-defined indicators that patient received each type of service, if separate revenue codes and charges are not provided.
Indicator of emergency department services	Defined by organization Defined by HCUP		X	Disc	Disc			X	X	X	X	HCUP also assigns indicators using project-specific definitions during processing (based on revenue codes, detail charges, CPT codes).
Indicator of observation services	Defined by organization Defined by HCUP		X						X	X	X	<i>Added to the NIS in 2007, discontinued 2012</i> <i>Added to the KID in 2009, discontinued 2012</i> <i>Added two new indicators of AS records to the SID, SASD and SEDD in 2011.</i> <i>Discontinued the HCUP_AS indicator in 2011.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
Indicator of outpatient services	Defined by organization		X								X	X	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.
Indicator of free-standing / off-site emergency medical services	Services performed at freestanding ED (OFFSITE_ED_X)		Disc.								Disc.	Disc.	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). <i>Discontinued in 2017.</i>
Indicator of services performed off-site	Services performed at off-site location OFFSITE_X		X								X	X	<i>Added to HCUP intramural SID, SASD, and SEDD in 2017.</i>
Location of Service	Service Location		X										Hospital specific codes indicating location of outpatient service (ServiceLocation_X), when departments are not located with the main hospital, are retained as provided by the source. <i>Added to Intramural SASD and SEDD in 2016.</i>
Operating room time	OR time		X								X		Retained as provided for outpatient (ambulatory surgery) visits. Exclusive of pre-operative and post-operative time.

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
ADDITIONAL STATE-SPECIFIC DATA ELEMENTS (May not be part of UB-04 specifications)													
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 5-minute		X						X			APGAR score taken at one minute after birth, five minutes after birth, or at an unspecified time (as received from source).	
Birth weight of newborn (grams)	Birth weight		X		Disc.				X			Weight of newborn at time of birth in grams (ungrouped) <i>Discontinued on the KID beginning with 2012.</i>	
Census tract	Census Tract	X										Retained as provided.	
Do not resuscitate	Do not resuscitate indicator		X						X	X	X	Information concerning the existence of a "Do not resuscitate" order.	
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.	

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release								Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD	
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 (<i>added to HCUP databases in 2008</i>) 3) as provided by the source.
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. <i>Added to HCUP data in 2008.</i>
Medicare managed care	Refer to Expected Payer	X Added to expected payer						X	X	X	X	HCUP uses this information to create uniformly formatted expected payer groupings.
Medicaid managed care	Refer to Expected Payer	X Added to expected payer						X	X	X	X	
Patient country of residence (if other than US)	Patient country code (as received from source)	X										HCUP retains an alphabetic code for the patient country of residence. Usually obtained from patient address. <i>Added to HCUP data in 2008.</i>

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

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

Data Elements		Internal AHRQ and Contractor Use Only		Central Distributor Release									Description/Comments
Provided by HCUP Partners	Included in HCUP databases	Data Development Files	Intramural State Databases	NIS	KID	NASS	NEDS	NRD	CD-SID	CD-SASD	CD-SEDD		
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 subset of all 400+ languages). <i>Added to HCUP data in 2008.</i>	
Readmission flag	Readmission		X						X	X	X	An indicator that the patient was readmitted to a provider.	
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.	
Patient city of residence	Patient City		X									Patient city (as received from source)	
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.