2009 KID Processing Logistics

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Introduction

The goal of this task is to create and deliver the following 2009 KID database files and documentation on schedule and on budget.

Deliverable Number	Deliverable Description	Deliverable Due Date	Early Deliverable Date
49.02	2009 KID Verification of Restrictions Memorandum	6/30/2011	6/17/2011
None	Send a copy of the SAS public version of the KID to SSS for HCUPnet processing.	6/30/2011	6/17/2011
50.02	2009 KID Database, Documentation, and Tools for External Release in ASCII (SAS Version Also Provided for Internal AHRQ Use)	6/30/2011	6/17/2011
51.02	2009 KID Processing Programs	6/30/2011	6/17/2011
53.02	2009 Intramural KID including all Pediatric Discharges from all Hospitals and Data Development Variables	6/30/2011	6/10/2011

We should use existing NIS and KID programs whenever possible, making only necessary revisions.

Processing Steps

1. Create the "SID KID" SAS Core1, Core2, Severity, DX_PR_GRPS, Edits and Data Development files, SIDKID_yyyy_CORE1.sas7bdat, SIDKID_yyyy_CORE2.sas7bdat SIDKID_yyyy_Severity.sas7bdat, SIDKID_yyyy_DX_PR_GRPS.sas7bdat, SIDKID_yyyy_Edits.sas7bdat and SIDKID_yyyy_DDEV.sas7bdat, (yyyy = 4-digit year). While the public KID will be limited to non-rehab community hospitals, the "SID KID" should include ALL hospitals available in the SID. The "SID KID" should also include all patients age 20 or less from all SID states and all SID data elements without any restrictions. Beginning with 2006, there will be two "core" SIDKID files delivered to AHRQ. Core1 will contain the same data elements as the KID plus all additional diagnosis, procedure and ECode data elements and their associated grouping variables (like the CCS variables). The Core2 file will contain all additional SID variables so that when taken together, these two Core files contain all of the SID data elements.

   a. The SIDKID_yyyy_SUBSET.SAS program in the directory includes the following steps:

      i. Subset and merge all the pediatric records from the SID, keeping the SID KID Core data elements listed in Appendix B, to create the "SID KID" Core1 File, SIDKID_yyyy_CORE1.SAS7BDAT. We will also retain IDNUMBER on CORE1 for merging purposes. All remaining SID data elements plus HOSPID, KEY and RECNUM will go to the "SID KID" Core2 File, SIDKID_yyyy_CORE2.SAS7BDAT. The variable PL_NCHS2006 was incorrectly named PL_NHCS2006 on the 2006 SID files. The SIDKID subset program renames the variable correctly.

      ii. Merge the SID Data Development Files, keeping all SID Data Development data elements plus HOSPID and RECNUM, to create the "SID KID" Data Development file, SIDKID_yyyy_DDEV.SAS7BDAT,

      iii. Merge the SID DX_PR_GRPS Files, keeping all SID DX_PR_GRPS data elements plus HOSPID and RECNUM, to create the "SID KID" DX_PR_GRPS file, SIDKID_yyyy_DX_PR_GRPS.SAS7BDAT,

iv. Merge the SID Severity Files, keeping all SID Severity data elements plus HOSPID and RECNUM, to create the "SID KID" Severity File, SIDKID_yyyy_Severity.SAS7BDAT.

v. The program uses macro logic to build and use length statements in the merge steps. Otherwise, the data elements would not be in the desired order in the merged files, and the _X data elements would not have the right lengths.

vi. Sort the final files by KEY.

2. Prepare the NACHRI Data.
   a. The Load_NACHRI_2009.sas program loads the NACHRI data into SAS.
   b. The Check_AHATYPE_2009.sas program calculates the pediatric percent (PEDS_PCT) for each AHA ID/HOSPID, and produces reports of differences between the AHA and NACHRI data. Manually review the reports and reconcile differences. The object is to determine fixes to the NACHRI or AHA hospital type or teaching status[1] that need to be made in the Kid_yyyy_Unres_Universe.sas program in step 3.a.[2]

3. Create the unrestricted AHA KID universe and the SID KID Hospital file, SIDKID_yyyy_HOSPITAL.SAS7BDAT
   a. The Kid_yyyy_Unres_Universe.SAS program processes the NACHRI_Final.SAS7BDAT file created by the Load_NACHRI_2009.SAS program to create the AHA KID Universe file, KID_yyyy_UNRES_UNIVERSE, and the SID KID Hospital file, SIDKID_yyyy_HOSPITAL.SAS7BDAT. Keep only hospitals in the SID KID (KID_HOSP = 1) that have a non-missing AHA IDNUMBER in the SID KID Hospital file. The NACHTYPE data element is created from the NACH_HOSPTYPE data element. See Appendix A for the NACHTYPE values and a list of data elements in the file. Assign the KID_STRATUM data element from the AHA strata data elements.
   b. The KID_yyyy_UNIV_COMP.SAS program compares the KID AHA Hospital Universe to the NIS AHA Hospital Universe as a review tool.
   c. The SIDKID_yyyy_Statistics.SAS program creates summary statistics PDF files for the "SID KID" Core, Data Development and Hospital Files.
   d. The SIDKID_yyyy_SEVERITY_Stats.SAS program creates summary statistics PDF files for the "SID KID" Severity File.
   e. The SIDKID_yyyy_Zip.SAS program adds SAS passwords, compresses the files and creates XML files for HCUP-US.

4. Create the AHA KID restricted sampling frame. directory; Programs KID_yyyy_A02A1, A2, C, E-H, KID_yyyy_A03B.)

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[1] The NACHRI teaching status information has not been consistent, and it appears that they do not have a standard definition of teaching hospitals. For future (2012+) KID databases, use only the AHA teaching hospital information.

[2] This process became more iterative in 2006, as there were several hospitals that NACHRI suggested AHRQ investigate further. The issues and resolutions are outlined on the following Wiki page: http://www.halfreski.net/HCUPWiki/Wiki.jsp?page=KID%202006%20Processing After deciding what to designate each of these hospitals, the Load_NACHRI_2006.sas program was rerun, to properly assign NACHTYPE to these hospitals.

a. Adapt the 2006 KID and 2009 NIS sampling restriction programs to work on the 2009 AHA KID universe. Add additional restrictions for the KID listed in Appendix F.

5. Create the KID sample, with the sampling restrictions listed in Appendix G. Only the following 44 states which have agreed to participate in the 2009 KID should be included: AR, AZ, CA, CO, CT, FL, GA, HI, IA, IL, IN, KS, KY, LA, MA, MD, ME, MI, MN, MO, MT, NC, NE, NH, NM, NJ, NV, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WI, WV, WY. (Louisiana, Montana, New Mexico, and Wyoming are new for the 2009 KID.) Update and run the Sampling Programs.

6. Create the KID weights and the Hospital, Core, Severity, and DX_PR_GRPS files with the data elements listed in Appendices C-F and the NIS and KID data element restrictions listed in Appendix G. Update and run the Processing Programs.

7. Create tables and charts for the KID documentation. Update and run the Documentation Programs.

Appendix A: Data Elements in the SID KID Hospital File (SIDKID_yyyy_HOSPITAL)

New data elements are marked with asterisks.

<u>**SID KID HOSPITAL IDENTIFIERS**</u>

Name	Type	Length	Label
AHAID	Char	7	AHA hospital identifier
HFIPSSTCO	Num	4	Hospital FIPS state/county code
HOSPADDR	Char	60	Hospital address from AHA Survey (Z011)
HOSPCITY	Char	20	Hospital city from AHA Survey (Z012)
HOSPID	Num	4	HCUP hospital identification number
HOSPNAME	Char	90	Hospital name from AHA Survey (Z000)
HOSPST	Char	2	Hospital state postal code
HOSPSTCO	Num	4	Hospital modified FIPS state/county code
HOSPZIP	Char	5	Hospital ZIP Code from AHA Survey (Z014)
IDNUMBER	Char	6	AHA hospital identifier without the leading 6
YEAR	Num	3	Calendar year

<u>**SID KID HOSPITAL STRATA**</u>

Name	Type	Length	Label
HOSP_BEDSIZE	Num	3	Bedsize of hospital *1 = Small* *2 = Medium* *3 = Large* *. = Missing*
*H_CONTRL	Num	3	Control/ownership of hospital *1 = Government, nonfederal (public)* *2 = Private, not-for-profit (voluntary)* *3 = Private, investor-owned (proprietary)* *. = Missing*
HOSP_CONTROL	Num	3	Control/ownership of hospital *0 = Government or private (collapsed category)* *1 = Government, nonfederal (public)* *2 = Private, not-for-profit (voluntary)* *3 = Private, investor-owned (proprietary)* *4 = Private (collapsed category)* *. = Missing*
HOSP_LOCATION	Num	3	Location (urban/rural) of hospital *0 = Rural* *1 = Urban* *. = Missing*

HOSP_LOCTEACH	Num	3	Location/teaching status of hospital

1 = Rural
2 = Urban nonteach
3 = Urban teaching
. = Missing

HOSP_REGION	Num	3	Region of hospital

1 = Northeast
2 = Midwest
3 = South
4 = West

HOSP_TEACH	Num	3	Teaching status of hospital

0 = Nonteaching
1 = Teaching
. = Missing

KID_STRATUM	Num	4	Hospital stratum

Defined by the following strata:

1) Geographic region	Northeast (1)
	Midwest (2)
	South (3)
	West (4)
	Stand-alone children's Hospital (9)

2) Control	Government or private (collapsed category) (0)
	Government, nonfederal (public) (1)
	Private, not-for-profit (voluntary) (2)
	Private, investor-owned (proprietary) (3)
	Private (collapsed category) (4)
	Stand-alone children's Hospital (9)

3) Location/Teaching	Rural (1)
	Urban nonteaching (2)
	Urban teaching (3)
	Stand-alone children's Hospital (9)

4) Bedsize	Small (1)
	Medium (2)
	Large (3)
	Stand-alone children's Hospital (9)

NACHTYPE	Num	3	NACHRI hospital type

0 = Not identified as a Children's Hospital by NACHRI
1 = Children's General Hospital
2 = Children's Specialty Hospital
3 = Children's unit in a general hospital

OTHER SID KID HOSPITAL DATA ELEMENTS

Name	Type	Length	Label
COMMUNITY	Num	3	AHA community hospital Indicator (1=community hospital) (Z220)
HOSPSERV	Num	3	Type of hospital service (Z210)
PEDS_DISC	Num	4	Number of discharges, 20 years old or younger, from this hospital in the SID
PEDS_PCT	Num	8	Percentage of hospital discharges, 20 years old or younger
TOTAL_DISC	Num	4	Total number of discharges from this hospital in the SID

NEW SID KID HOSPITAL DATA ELEMENTS

The following data element was moved from the Core File to the Hospital file beginning with the 2003 KID:

HOSPSTCO	Num	4	Hospital modified FIPS state/county code

The following data element was added to the Hospital file beginning with the 2006 KID:

HFIPSSTCO	Num	4	Hospital FIPS state/county code

The following data element was restored to the Hospital file beginning with the 2009 KID:

Name	Type	Length	Label
H_CONTRL	Num	3	Control/ownership of hospital

The following data elements were added to the Hospital file beginning with the 2009 ID:

Name	Type	Length	Label
*HOSP_MHSMEMBER	Num	3	Hospital is part of multiple hospital system
*HOSP_MHSCLUSTER	Num	3	AHA multiple hospital system cluster code
*HOSP_RNPCT	Num	3	Percentage of RNs among licensed nurses
*HOSP_RNFTEAPD	Num	4	RN FTEs per 1000 adjusted patient days
*HOSP_LPNFTEAPD	Num	4	LPN FTEs per 1000 adjusted patient days
*HOSP_NAFTEAPD	Num	4	Nurse aides per 1000 adjusted patient days
*HOSP_OPSURGPCT	Num	3	Percentage of all surgeries performed in outpatient setting

Appendix B: Data Elements in the SID KID Core1 File (SIDKID_yyyy_CORE1)

New data elements are marked with asterisks.

Name	Type	Length	Label
AGE	NUM	3	Age in years at admission
AGEDAY	NUM	3	Age in days (when age < 1 year)
AGEMONTH	NUM	3	Age in months (when age < 11 years)
AMONTH	NUM	3	Admission month
ASOURCE	NUM	3	Admission source (uniform)
ASOURCEUB92	CHAR	1	Admission source (UB-92 standard coding)
ASOURCE_X	CHAR	varies	Admission source (as received from source)
ATYPE	NUM	3	Admission type
AWEEKEND	NUM	3	Admission day is a weekend
BWT	NUM	4	Birth weight in grams
DIED	NUM	3	Died during hospitalization
DISPUB04	NUM	3	Disposition of patient (UB-92 standard coding)
DISPUniform	NUM	3	Disposition of patient (uniform)
DQTR	NUM	3	Discharge quarter
DRG	NUM	3	DRG in effect on discharge date
DRG24	NUM	3	DRG, version 24
*DRG_NoPOA	NUM	3	DRG in use on discharge date, calculated without POA
DRGVER	NUM	3	DRG grouper version used on discharge date
DSHOSPID	CHAR	17	Data source hospital identifier
DX1-31[3]	CHAR	5	Diagnosis 1-31
DXCCS1-31	NUM	4	CCS: diagnosis 1-31
ECODE1-6[4]	CHAR	5	E code 1-6
ELECTIVE	NUM	3	Elective versus non-elective admission
E_CCS1-6	NUM	3	CCS: E code 1-6
FEMALE	NUM	3	Indicator of sex
*HCUP_ED	NUM	3	HCUP Emergency Department service indicator
HOSPBRTH	NUM	3	Birth diagnosis, in this hospital
HOSPID	NUM	4	HCUP hospital identification number
HOSPST	CHAR	2	Hospital state postal code
IDNUMBER	Char	6	AHA hospital identifier without the leading 6
KEY	NUM	8	HCUP record identifier
LOS	NUM	4	Length of stay (cleaned)
LOS_X	NUM	4	Length of stay (as received from source)
MDC	NUM	3	MDC in effect on discharge date
MDC24	NUM	3	MDC, version 24
*MDC_NoPOA	NUM	3	MDC in use on discharge date, calculated without POA

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3 Keep only 31 diagnoses and associated data elements because very few records have more than that.
4 Keep only six E Codes because very few records have more than that.

MDNUM1_R	NUM	5	Physician 1 number (re-identified)
MDNUM2_R	NUM	5	Physician 2 number (re-identified)
*NCHRONIC	NUM	3	Number of chronic conditions
NDX	NUM	3	Number of diagnoses on this record
NECODE	NUM	3	Number of E codes on this record
NEOMAT	NUM	3	Neonatal and/or maternal DX and/or PR
NPR	NUM	3	Number of procedures on this record
*ORPROC	NUM	3	Major operating room procedure indicator
PAY1	NUM	3	Primary expected payer (uniform)
PAY1_X	CHAR	varies	Primary expected payer (as received from source)
PAY2	NUM	3	Secondary expected payer (uniform)
PAY2_X	CHAR	varies	Secondary expected payer (as received from source)
PL_NCHS2006	NUM	3	Patient Location: NCHS Urban-Rural Code (V2006)
*PointOfOrigin_X	CHAR	varies	Point of origin for admission or visit, as received from source
*PointOfOriginUB04	CHAR	1	Point of origin for admission or visit, UB-04 standard coding
PR1-nn	CHAR	4	Procedure 1-nn
PRCCS1-nn	NUM	3	CCS: procedure 1-nn
PRDAY1-nn	NUM	4	Number of days from admission to PR1-nn
RACE	NUM	3	Race (uniform)
RECNUM	NUM	5	HCUP record number
*TRAN_IN	NUM	3	Transfer in indicator
TOTCHG	NUM	6	Total charges (cleaned)
TOTCHG_X	NUM	7	Total charges (as received from source)
UNCBRTH	NUM	3	Normal uncomplicated birth in hospital
YEAR	NUM	3	Calendar year
ZIPInc_Qrtl	NUM	3	Median household income quartile for patient's ZIP Code

NEW SID KID CORE DATA ELEMENTS

* The following data elements were added to the Core file:

Name	Label	Year Added
ASOURCEUB92	Admission source (UB-92 standard coding)	2003
ECODE1	E code 1	2003
ECODE2	E code 2	2003
ECODE3	E code 3	2003
ECODE4	E code 4	2003
ELECTIVE	Elective versus non-elective admission	2003
E_CCS1	CCS: E code 1	2003
E_CCS2	CCS: E code 2	2003
E_CCS3	CCS: E code 3	2003
E_CCS4	CCS: E code 4	2003
MDNUM1_R	Physician 1 number (re-identified)	2003
MDNUM2_R	Physician 2 number (re-identified)	2003
NECODE	Number of E codes on this record	2003
PL_UR_CAT4	Patient location: Urban-Rural 4 categories	2003

RECNUM	HCUP record number	2003
ZIPINC_Qrtl	Median household income quartiles for patient's ZIP Code	2003
DRG24	DRG, version 24	2006
MDC24	MDC, version 24	2006
PL_NCHS2006	Patient Location: NCHS Urban-Rural Code (V2006)	2006

Also, beginning with 2006, keep all array elements (not just the first 15) for the DX, DXCCS, ECODE, E_CCS, PR, PRCCS, and PRDAY data elements.

DRG_NoPOA	DRG in use on discharge date, calculated without POA	2009
MDC_NoPOA	MDC in use on discharge date, calculated without POA	2009
HCUP_ED	HCUP Emergency Department service indicator	2009
NCHRONIC	Number of chronic conditions	2009
ORPROC	Major operating room procedure indicator	2009
PointOfOrigin_X	Point of origin for admission or visit, as received from source	2009
PointOfOriginUB04	Point of origin for admission or visit, UB-04 standard coding	2009
TRAN_IN	Transfer in indicator	2009

DISCONTINUED SID KID CORE DATA ELEMENTS

The following data elements were discontinued after the 2000 KID:

Name	Type	Length	Label
MDID_S	CHAR	16	Attending physician number (synthetic)
SURGID_S	CHAR	16	Primary surgeon number (synthetic)
ZIPINC	NUM	3	Median household income category for patient's ZIP Code

The following data element was only kept in the Hospital File for the 2003 SID KID:
| HOSPSTCO | NUM | 4 | Hospital modified FIPS state/county code |

The following data elements have been moved to the Core2 SIDKID file beginning in 2006:
MDC18	NUM	3	MDC, version 18
DRG18	NUM	3	DRG, version 18
PL_UR_CAT4	NUM	3	Patient location: Urban-Rural 4 categories

The following data elements were discontinued after the 2006 KID:
| MDC18 | NUM | 3 | MDC, version 18 |
| DRG18 | NUM | 3 | DRG, version 18 |

Appendix C: Data Elements in the KID Hospital File (KID_yyyy_HOSPITAL)

Please verify each year that this list matches the Master HCUP Memorandum of Agreement (MOA) KID Data Element List.

New data elements are marked with asterisks.

KID HOSPITAL IDENTIFIERS

Name	Type	Length	Label
AHAID	Char	7	AHA hospital identifier
HFIPSSTCO	Num	4	Hospital FIPS state/county code
*HOSP_MHSMEMBER	Num	3	Hospital is part of multiple hospital system
*HOSP_MHSCLUSTER	Num	3	AHA multiple hospital system cluster code
HOSPADDR	Char	60	Hospital address from AHA Survey (Z011)
HOSPCITY	Char	20	Hospital city from AHA Survey (Z012)
HOSPID	Num	4	HCUP hospital identification number
HOSPNAME	Char	90	Hospital name from AHA Survey (Z000)
HOSPST	Char	2	Hospital state postal code
HOSPSTCO	Num	4	Hospital modified FIPS state/county code
HOSPZIP	Char	5	Hospital ZIP Code from AHA Survey (Z014)
IDNUMBER	Char	6	AHA hospital identifier without the leading 6
YEAR	Num	3	Calendar year

KID HOSPITAL STRATA

Name	Type	Length	Label
HOSP_BEDSIZE	Num	3	Bedsize of hospital *1 = Small* *2 = Medium* *3 = Large* *. = Missing*
H_CONTRL	Num	3	Control/ownership of hospital *1 = Government, nonfederal (public)* *2 = Private, not-for-profit (voluntary)* *3 = Private, investor-owned (proprietary)* *. = Missing*
HOSP_CONTROL	Num	3	Control/ownership of hospital *0 = Government or private (collapsed category)* *1 = Government, nonfederal (public)* *2 = Private, not-for-profit (voluntary)* *3 = Private, investor-owned (proprietary)* *4 = Private (collapsed category)* *. = Missing*

HOSP_LOCATION	Num	3	Location (urban/rural) of hospital

0 = Rural
1 = Urban
. = Missing

HOSP_LOCTEACH	Num	3	Location/teaching status of hospital

1 = Rural
2 = Urban nonteach
3 = Urban teaching
. = Missing

HOSP_REGION	Num	3	Region of hospital

1 = Northeast
2 = Midwest
3 = South
4 = West

HOSP_TEACH	Num	3	Teaching status of hospital

0 = Nonteaching
1 = Teaching
. = Missing

KID_STRATUM	Num	4	Hospital stratum used for weights

Defined by the following strata:

1) Geographic region

Northeast (1)
Midwest (2)
South (3)
West (4)
Stand-alone Children's Hospital (9)

2) Control

Government or private (collapsed category) (0)
Government, nonfederal (public) (1)
Private, not-for-profit (voluntary) (2)
Private, investor-owned (proprietary) (3)
Private (collapsed category) (4)
Stand-alone Children's Hospital (9)

3) Location/Teaching

Rural (1)
Urban nonteaching (2)
Urban teaching (3)
Stand-alone Children's Hospital (9)

4) Bedsize

Small (1)
Medium (2)
Large (3)
Stand-alone Children's Hospital (9)

NACHTYPE	Num	3	NACHRI hospital type

            0 = Not identified as a Children's Hospital by
                NACHRI
            1 = Children's General Hospital
            2 = Children's Specialty Hospital
            3 = Children's unit in a general hospital

KID HOSPITAL STATISTICS

Name	Type	Length	Label
*HOSP_RNPCT	Num	3	Percentage of RNs among licensed nurses
*HOSP_RNFTEAPD	Num	4	RN FTEs per 1000 adjusted patient days
*HOSP_LPNFTEAPD	Num	4	LPN FTEs per 1000 adjusted patient days
*HOSP_NAFTEAPD	Num	4	Nurse aides per 1000 adjusted patient days
*HOSP_OPSURGPCT	Num	3	Percentage of all surgeries performed in outpatient setting
N_BRTH_U	Num	8	Number of universe births in KID_STRATUM
N_DISC_U	Num	8	Number of universe discharges in KID_STRATUM
N_HOSP_U	Num	8	Number of universe hospitals in KID_STRATUM
PEDS_DISC	Num	4	Number of discharges, 20 years old or younger, from this hospital in the SID
PEDS_PCT	Num	8	Percentage of hospital discharges, 20 years old or younger
S_BRTH_U	Num	8	Number of sample births in KID_STRATUM
S_CHLD_U	Num	8	Number of sample pediatric non-births in KID_STRATUM
S_CMPB_U	Num	8	Number of sample complicated births in KID_STRATUM
S_DISC_U	Num	8	Number of sample births and children in KID_STRATUM
S_HOSP_U	Num	8	Number of sample hospitals in KID_STRATUM
S_UNCB_U	Num	8	Number of sample uncomplicated births in KID_STRATUM
TOTAL_DISC	Num	4	Total number of discharges from this hospital in the SID

NEW KID HOSPITAL DATA ELEMENTS

The following data element was moved from the Core File to the Hospital file beginning with the 2003 KID:

HOSPSTCO	Num	4	Hospital modified FIPS state/county code

The following data element was added to the Hospital file beginning with the 2006 KID:

HFIPSSTCO	Num	4	Hospital FIPS state/county code

The following data element was restored to the Hospital file beginning with the 2009 KID:

Name	Type	Length	Label
H_CONTRL	Num	3	Control/ownership of hospital

The following data elements were added to the Hospital file beginning with the 2009 KID:

HOSP_MHSMEMBER	Num	3	Hospital is part of multiple hospital system
HOSP_MHSCLUSTER	Num	3	AHA multiple hospital system cluster code
HOSP_RNPCT	Num	3	Percentage of RNs among licensed nurses
HOSP_RNFTEAPD	Num	4	RN FTEs per 1000 adjusted patient days
HOSP_LPNFTEAPD	Num	4	LPN FTEs per 1000 adjusted patient days
HOSP_NAFTEAPD	Num	4	Nurse aides per 1000 adjusted patient days
HOSP_OPSURGPCT	Num	3	Percentage of all surgeries performed in outpatient setting

DISCONTINUED KID HOSPITAL DATA ELEMENTS

The following data elements were discontinued for the 2003 KID:

CHLDWT	Num	8	Weight to pediatric non-births in universe ~~for estimates other than total charges~~
CHLDWTCHARGE	Num	8	Weight to pediatric non-births in universe for total charge estimates
CMPBWT	Num	8	Weight to complicated births in universe ~~for estimates other than total charges~~
CMPBWTCHARGE	Num	8	Weight to complicated births in universe for total charge estimates
H_BRTH_F	Num	8	Number of frame HCUP births in KID_STRATUM
H_CHLD_F	Num	8	Number of frame HCUP pediatric non-births in KID_STRATUM
H_CMPB_F	Num	8	Number of frame HCUP complicated births in KID_STRATUM
H_DISC_F	Num	8	Number of frame HCUP discharges in KID_STRATUM
H_HOSP_F	Num	8	Number of frame HCUP hospitals in KID_STRATUM
H_UNCB_F	Num	8	Number of frame HCUP uncomplicated births in KID_STRATUM
S_CHLD	Num	4	Pediatric non-births sampled
S_CMPB	Num	4	Complicated births sampled
S_UNCB	Num	4	Uncomplicated births sampled
UNCBWT	Num	8	Weight to uncomplicated births in universe ~~for estimates other than total charges~~
UNCBWTCHARGE	Num	8	Weight to uncomplicated births in universe for total charge estimates

Appendix D: Data Elements in KID Core File (KID_yyyy_CORE)

Please verify each year that this list matches the Master HCUP Memorandum of Agreement (MOA) KID Data Element List.

New data elements are marked with asterisks.

Name	Type	Length	Label
AGE	NUM	3	Age in years at admission
AGEDAY	NUM	3	Age in days (when age < 1 year)

AGEMONTH	NUM	3	Age in months (when age < 11 years)
AMONTH	NUM	3	Admission month
ASOURCE	NUM	3	Admission source (uniform)
ASOURCEUB92	CHAR	1	Admission source (UB-92 standard coding)
ASOURCE_X	CHAR	varies	Admission source (as received from source)
ATYPE	NUM	3	Admission type
AWEEKEND	NUM	3	Admission day is a weekend
BWT	NUM	4	Birth weight in grams
DIED	NUM	3	Died during hospitalization
DISCWT	NUM	8	Weight to discharges in AHA universe ~~for estimates other than total charges~~
DISPUB04	NUM	3	Disposition of patient (UB-04 standard coding)
DISPUniform	NUM	3	Disposition of patient (uniform)
DQTR	NUM	3	Discharge quarter
DQTR_X	NUM	3	Discharge quarter (as received from source)
DRG	NUM	3	DRG in effect on discharge date
DRG24	NUM	3	DRG, version 24
DRGVER	NUM	3	DRG grouper version used on discharge date
*DRG_NoPOA	NUM	3	DRG in use on discharge date, calculated without POA
DSHOSPID	CHAR	17	Data source hospital identifier
DX1	CHAR	5	Principal diagnosis
DX2	CHAR	5	Diagnosis 2
DX3	CHAR	5	Diagnosis 3
DX4	CHAR	5	Diagnosis 4
DX5	CHAR	5	Diagnosis 5
DX6	CHAR	5	Diagnosis 6
DX7	CHAR	5	Diagnosis 7
DX8	CHAR	5	Diagnosis 8
DX9	CHAR	5	Diagnosis 9
DX10	CHAR	5	Diagnosis 10
DX11	CHAR	5	Diagnosis 11
DX12	CHAR	5	Diagnosis 12
DX13	CHAR	5	Diagnosis 13
DX14	CHAR	5	Diagnosis 14
DX15[5]	CHAR	5	Diagnosis 15
DX16	CHAR	5	Diagnosis 16
DX17	CHAR	5	Diagnosis 17
DX18	CHAR	5	Diagnosis 18
DX19	CHAR	5	Diagnosis 19
DX20	CHAR	5	Diagnosis 20
DX21	CHAR	5	Diagnosis 21
DX22	CHAR	5	Diagnosis 22
DX23	CHAR	5	Diagnosis 23
DX24	CHAR	5	Diagnosis 24
DX25	CHAR	5	Diagnosis 25
DXCCS1	NUM	4	CCS: principal diagnosis
DXCCS2	NUM	4	CCS: diagnosis 2
DXCCS3	NUM	4	CCS: diagnosis 3

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5 We will increase from 15 to 25 diagnoses for the 2009 KID because over 8% of the records have more than 15 diagnoses, but only .4% of the records have more than 25 diagnoses.

DXCCS4	NUM	4	CCS: diagnosis 4
DXCCS5	NUM	4	CCS: diagnosis 5
DXCCS6	NUM	4	CCS: diagnosis 6
DXCCS7	NUM	4	CCS: diagnosis 7
DXCCS8	NUM	4	CCS: diagnosis 8
DXCCS9	NUM	4	CCS: diagnosis 9
DXCCS10	NUM	4	CCS: diagnosis 10
DXCCS11	NUM	4	CCS: diagnosis 11
DXCCS12	NUM	4	CCS: diagnosis 12
DXCCS13	NUM	4	CCS: diagnosis 13
DXCCS14	NUM	4	CCS: diagnosis 14
DXCCS15	NUM	4	CCS: diagnosis 15
DXCCS16	NUM	3	CCS: diagnosis 16
DXCCS17	NUM	3	CCS: diagnosis 17
DXCCS18	NUM	3	CCS: diagnosis 18
DXCCS19	NUM	3	CCS: diagnosis 19
DXCCS20	NUM	3	CCS: diagnosis 20
DXCCS21	NUM	3	CCS: diagnosis 21
DXCCS22	NUM	3	CCS: diagnosis 22
DXCCS23	NUM	3	CCS: diagnosis 23
DXCCS24	NUM	3	CCS: diagnosis 24
DXCCS25	NUM	3	CCS: diagnosis 25
ECODE1	CHAR	5	E code 1
ECODE2	CHAR	5	E code 2
ECODE3	CHAR	5	E code 3
ECODE4	CHAR	5	E code 4
ELECTIVE	NUM	3	Elective versus non-elective admission
E_CCS1	NUM	3	CCS: E code 1
E_CCS2	NUM	3	CCS: E code 2
E_CCS3	NUM	3	CCS: E code 3
E_CCS4	NUM	3	CCS: E code 4
FEMALE	NUM	3	Indicator of sex
*HCUP_ED	NUM	3	HCUP Emergency Department service indicator
HOSPBRTH	NUM	3	Birth diagnosis, in this hospital
HOSPID	NUM	4	HCUP hospital identification number
HOSPST	CHAR	2	Hospital state postal code
KID_STRATUM	NUM	4	Hospital stratum used for weights
LOS	NUM	4	Length of stay (cleaned)
LOS_X	NUM	4	Length of stay (as received from source)
MDC	NUM	3	MDC in effect on discharge date
MDC24	NUM	3	MDC, version 24
*MDC_NoPOA	NUM	3	MDC in use on discharge date, calculated without POA

MDNUM1_R	NUM	5	Physician 1 number (re-identified)
MDNUM2_R	NUM	5	Physician 2 number (re-identified)
*NCHRONIC	NUM	3	Number of chronic conditions
NDX	NUM	3	Number of diagnoses on this record
NECODE	NUM	3	Number of E codes on this record
NEOMAT	NUM	3	Neonatal and/or maternal DX and/or PR
NPR	NUM	3	Number of procedures on this record
*ORPROC	NUM	3	Major operating room procedure indicator
PAY1	NUM	3	Primary expected payer (uniform)
PAY1_X	CHAR	varies	Primary expected payer (as received from source)
PAY2	NUM	3	Secondary expected payer (uniform)
PAY2_X	CHAR	varies	Secondary expected payer (as received from source)
PL_NCHS2006	NUM	3	Patient Location: NCHS Urban-Rural Code (V2006)
*PointOfOriginUB04	CHAR	1	Point of origin for admission or visit, UB-04 standard coding
*PointOfOrigin_X	CHAR	varies	Point of origin for admission or visit, as received from source
PR1	CHAR	4	Principal procedure
PR2	CHAR	4	Procedure 2
PR3	CHAR	4	Procedure 3
PR4	CHAR	4	Procedure 4
PR5	CHAR	4	Procedure 5
PR6	CHAR	4	Procedure 6
PR7	CHAR	4	Procedure 7
PR8	CHAR	4	Procedure 8
PR9	CHAR	4	Procedure 9
PR10	CHAR	4	Procedure 10
PR11	CHAR	4	Procedure 11
PR12	CHAR	4	Procedure 12
PR13	CHAR	4	Procedure 13
PR14	CHAR	4	Procedure 14
PR15	CHAR	4	Procedure 15
PRCCS1	NUM	3	CCS: principal procedure
PRCCS2	NUM	3	CCS: procedure 2
PRCCS3	NUM	3	CCS: procedure 3
PRCCS4	NUM	3	CCS: procedure 4
PRCCS5	NUM	3	CCS: procedure 5
PRCCS6	NUM	3	CCS: procedure 6
PRCCS7	NUM	3	CCS: procedure 7
PRCCS8	NUM	3	CCS: procedure 8
PRCCS9	NUM	3	CCS: procedure 9
PRCCS10	NUM	3	CCS: procedure 10
PRCCS11	NUM	3	CCS: procedure 11
PRCCS12	NUM	3	CCS: procedure 12
PRCCS13	NUM	3	CCS: procedure 13
PRCCS14	NUM	3	CCS: procedure 14
PRCCS15	NUM	3	CCS: procedure 15
PRDAY1	NUM	4	Number of days from admission to PR1
PRDAY2	NUM	4	Number of days from admission to PR2
PRDAY3	NUM	4	Number of days from admission to PR3
PRDAY4	NUM	4	Number of days from admission to PR4
PRDAY5	NUM	4	Number of days from admission to PR5
PRDAY6	NUM	4	Number of days from admission to PR6
PRDAY7	NUM	4	Number of days from admission to PR7

PRDAY8	NUM	4	Number of days from admission to PR8
PRDAY9	NUM	4	Number of days from admission to PR9
PRDAY10	NUM	4	Number of days from admission to PR10
PRDAY11	NUM	4	Number of days from admission to PR11
PRDAY12	NUM	4	Number of days from admission to PR12
PRDAY13	NUM	4	Number of days from admission to PR13
PRDAY14	NUM	4	Number of days from admission to PR14
PRDAY15	NUM	4	Number of days from admission to PR15
RACE	NUM	3	Race (uniform)
RECNUM	NUM	5	HCUP record number
TOTCHG	NUM	6	Total charges (cleaned)
TOTCHG_X	NUM	7	Total charges (as received from source)
*TRAN_IN	NUM	3	Transfer in indicator
UNCBRTH	NUM	3	Normal uncomplicated birth in hospital
YEAR	NUM	3	Calendar year
ZIPInc_Qrtl	NUM	3	Median household income quartile for patient's ZIP Code

NEW KID CORE DATA ELEMENTS
* The following data elements were added to the Core file:

Name	Label	Year Added
ASOURCEUB92	Admission source (UB-92 standard coding)	2003
ECODE1	E code 1	2003
ECODE2	E code 2	2003
ECODE3	E code 3	2003
ECODE4	E code 4	2003
ELECTIVE	Elective versus non-elective admission	2003
E_CCS1	CCS: E code 1	2003
E_CCS2	CCS: E code 2	2003
E_CCS3	CCS: E code 3	2003
E_CCS4	CCS: E code 4	2003
MDNUM1_R	Physician 1 number (re-identified)	2003
MDNUM2_R	Physician 2 number (re-identified)	2003
NECODE	Number of E codes on this record	2003
PL_UR_CAT4	Patient location: Urban-Rural 4 categories	2003
RECNUM	HCUP record number	2003
ZIPINC_Qrtl	Median household income quartiles for patient's ZIP Code	2003
DQTR_X	Discharge quarter (as received from source)	2006
DRG24	DRG, version 24	2006
MDC24	MDC, version 24	2006
PL_NCHS2006	Patient Location: NCHS Urban-Rural Code (V2006)	2006
DRG_NoPOA	DRG in use on discharge date, calculated without POA	2009
MDC_NoPOA	MDC in use on discharge date, calculated without POA	2009
DX16	Diagnosis 16	2009
DX17	Diagnosis 17	2009
DX18	Diagnosis 18	2009
DX19	Diagnosis 19	2009
DX20	Diagnosis 20	2009
DX21	Diagnosis 21	2009
DX22	Diagnosis 22	2009

DX23	Diagnosis 23	2009
DX24	Diagnosis 24	2009
DX25	Diagnosis 25	2009
DXCCS16	CCS: diagnosis 16	2009
DXCCS17	CCS: diagnosis 17	2009
DXCCS18	CCS: diagnosis 18	2009
DXCCS19	CCS: diagnosis 19	2009
DXCCS20	CCS: diagnosis 20	2009
DXCCS21	CCS: diagnosis 21	2009
DXCCS22	CCS: diagnosis 22	2009
DXCCS23	CCS: diagnosis 23	2009
DXCCS24	CCS: diagnosis 24	2009
DXCCS25	CCS: diagnosis 25	2009
HCUP_ED	HCUP Emergency Department service indicator	2009
NCHRONIC	Number of chronic conditions	2009
ORPROC	Major operating room procedure indicator	2009
PointOfOrigin_X	Point of origin for admission or visit, as received from source	2009
PointOfOriginUB04	Point of origin for admission or visit, UB-04 standard coding	2009
TRAN_IN	Transfer in indicator	2009

Plan to add the following data elements in the future:

* DXPOA1	CHAR 1	Diagnosis 1, present on admission indicator
* DXPOA2	CHAR 1	Diagnosis 2, present on admission indicator
* DXPOA3	CHAR 1	Diagnosis 3, present on admission indicator
* DXPOA4	CHAR 1	Diagnosis 4, present on admission indicator
* DXPOA5	CHAR 1	Diagnosis 5, present on admission indicator
* DXPOA6	CHAR 1	Diagnosis 6, present on admission indicator
* DXPOA7	CHAR 1	Diagnosis 7, present on admission indicator
* DXPOA8	CHAR 1	Diagnosis 8, present on admission indicator
* DXPOA9	CHAR 1	Diagnosis 9, present on admission indicator
* DXPOA10	CHAR 1	Diagnosis 10, present on admission indicator
* DXPOA11	CHAR 1	Diagnosis 11, present on admission indicator
* DXPOA12	CHAR 1	Diagnosis 12, present on admission indicator
* DXPOA13	CHAR 1	Diagnosis 13, present on admission indicator
* DXPOA14	CHAR 1	Diagnosis 14, present on admission indicator
* DXPOA15	CHAR 1	Diagnosis 15, present on admission indicator
* DXPOA16	CHAR 1	Diagnosis 16, present on admission indicator
* DXPOA17	CHAR 1	Diagnosis 17, present on admission indicator
* DXPOA18	CHAR 1	Diagnosis 18, present on admission indicator
* DXPOA19	CHAR 1	Diagnosis 19, present on admission indicator
* DXPOA20	CHAR 1	Diagnosis 20, present on admission indicator
* DXPOA21	CHAR 1	Diagnosis 21, present on admission indicator
* DXPOA22	CHAR 1	Diagnosis 22, present on admission indicator
* DXPOA23	CHAR 1	Diagnosis 23, present on admission indicator
* DXPOA24	CHAR 1	Diagnosis 24, present on admission indicator
* DXPOA25	CHAR 1	Diagnosis 25, present on admission indicator
* E_POA1	CHAR 1	E Code 1, present on admission indicator
* E_POA2	CHAR 1	E Code 2, present on admission indicator
* E_POA3	CHAR 1	E Code 3, present on admission indicator
* E_POA4	CHAR 1	E Code 4, present on admission indicator

DISCONTINUED KID CORE DATA ELEMENTS

The following data elements were discontinued after the 2000 KID:

Name	Type	Length	Label
DISCWTCHARGE	NUM	8	Weight to discharges in AHA universe for total charge estimates
MDID_S	CHAR	16	Attending physician number (synthetic)
KEY	NUM	8	HCUP record identifier
SURGID_S	CHAR	16	Primary surgeon number (synthetic)
ZIPINC	NUM	3	Median household income category for patient's ZIP Code

The following data element was moved from the Core File to the Hospital file beginning with the 2003 KID:

HOSPSTCO	Num	4	Hospital modified FIPS state/county code

The following data elements were discontinued after the 2003 KID:

MDC18	NUM	3	MDC, version 18
DRG18	NUM	3	DRG, version 18
PL_UR_CAT4	NUM	3	Patient location: Urban-Rural 4 categories

The following data element was discontinued after the 2006 KID:

DISPUB92	NUM	3	Disposition of patient (UB-92 standard coding)

Appendix E: Data Elements in the KID Severity File

Name	Type	Length	Label
APRDRG	NUM	3	All Patient Refined DRG
APRDRG_Risk_Mortality	NUM	3	All Patient Refined DRG: Risk of Mortality Subclass
APRDRG_Severity	NUM	3	All Patient Refined DRG: Severity of Illness Subclass
APSDRG	NUM	4	All-Payer Severity-adjusted DRG
APSDRG_Charge_Weight[1]	NUM	6	All-Payer Severity-adjusted DRG: Charge Weight
APSDRG_LOS_Weight	NUM	6	All-Payer Severity-adjusted DRG: Length of Stay Weight
APSDRG_Mortality_Weight	NUM	6	All-Payer Severity-adjusted DRG: Mortality Weight
CM_AIDS	Num	3	AHRQ comorbidity measure: Acquired immune deficiency syndrome
CM_ALCOHOL	Num	3	AHRQ comorbidity measure: Alcohol abuse
CM_ANEMDEF	Num	3	AHRQ comorbidity measure: Deficiency anemias
CM_ARTH	Num	3	AHRQ comorbidity measure: Rheumatoid arthritis/collagen vascular diseases
CM_BLDLOSS	Num	3	AHRQ comorbidity measure: Chronic blood loss anemia
CM_CHF	Num	3	AHRQ comorbidity measure: Congestive heart failure
CM_CHRNLUNG	Num	3	AHRQ comorbidity measure: Chronic pulmonary disease
CM_COAG	Num	3	AHRQ comorbidity measure: Coagulopathy
CM_DEPRESS	Num	3	AHRQ comorbidity measure: Depression
CM_DM	Num	3	AHRQ comorbidity measure: Diabetes, uncomplicated
CM_DMCX	Num	3	AHRQ comorbidity measure: Diabetes with chronic complications
CM_DRUG	Num	3	AHRQ comorbidity measure: Drug abuse
CM_HTN_C	Num	3	AHRQ comorbidity measure: Hypertension (combine uncomplicated and complicated)
CM_HYPOTHY	Num	3	AHRQ comorbidity measure: Hypothyroidism
CM_LIVER	Num	3	AHRQ comorbidity measure: Liver disease
CM_LYMPH	Num	3	AHRQ comorbidity measure: Lymphoma
CM_LYTES	Num	3	AHRQ comorbidity measure: Fluid and electrolyte disorders
CM_METS	Num	3	AHRQ comorbidity measure: Metastatic cancer
CM_NEURO	Num	3	AHRQ comorbidity measure: Other neurological disorders
CM_OBESE	Num	3	AHRQ comorbidity measure: Obesity
CM_PARA	Num	3	AHRQ comorbidity measure: Paralysis
CM_PERIVASC	Num	3	AHRQ comorbidity measure: Peripheral vascular disorders
CM_PSYCH	Num	3	AHRQ comorbidity measure: Psychoses
CM_PULMCIRC	Num	3	AHRQ comorbidity measure: Pulmonary circulation disorders
CM_RENLFAIL	Num	3	AHRQ comorbidity measure: Renal failure
CM_TUMOR	Num	3	AHRQ comorbidity measure: Solid tumor without metastasis
CM_ULCER	Num	3	AHRQ comorbidity measure: Peptic ulcer disease excluding bleeding
CM_VALVE	Num	3	AHRQ comorbidity measure: Valvular disease

1 Consider adding APSDRG_Cost_Weight in the future.

CM_WGHTLOSS	Num	3	AHRQ comorbidity measure: Weight loss
DS_DX_Category1	CHAR	5	Disease Staging: Principal Disease Category
DS_Stage1	NUM	5	Disease Staging: Stage of Principal Disease Category
HOSPID	NUM	4	HCUP hospital identification number
RECNUM	NUM	5	HCUP record number

DISCONTINUED DATA ELEMENTS
The following data elements were discontinued beginning with the 2009 KID:

Name	Type	Length	Label
DS_LOS_Level	NUM	3	Disease Staging: Length of Stay Level
DS_LOS_Scale	NUM	8	Disease Staging: Length of Stay Scale
DS_Mrt_Level	NUM	3	Disease Staging: Mortality Level
DS_Mrt_Scale	NUM	8	Disease Staging: Mortality Scale
DS_RD_Level	NUM	3	Disease Staging: Resource Demand Level
DS_RD_Scale	NUM	8	Disease Staging: Resource Demand Scale

Appendix F: Data Elements in the KID Diagnosis and Procedure Groups (DX_PR_GRPS) File

Name	Type	Length	Label
CHRON1	NUM	3	Chronic condition indicator 1
CHRON2	NUM	3	Chronic condition indicator 2
CHRON3	NUM	3	Chronic condition indicator 3
CHRON4	NUM	3	Chronic condition indicator 4
CHRON5	NUM	3	Chronic condition indicator 5
CHRON6	NUM	3	Chronic condition indicator 6
CHRON7	NUM	3	Chronic condition indicator 7
CHRON8	NUM	3	Chronic condition indicator 8
CHRON9	NUM	3	Chronic condition indicator 9
CHRON10	NUM	3	Chronic condition indicator 10
CHRON11	NUM	3	Chronic condition indicator 11
CHRON12	NUM	3	Chronic condition indicator 12
CHRON13	NUM	3	Chronic condition indicator 13
CHRON14	NUM	3	Chronic condition indicator 14
CHRON15	NUM	3	Chronic condition indicator 15
CHRON16	NUM	3	Chronic condition indicator 16
CHRON17	NUM	3	Chronic condition indicator 17
CHRON18	NUM	3	Chronic condition indicator 18
CHRON19	NUM	3	Chronic condition indicator 19
CHRON20	NUM	3	Chronic condition indicator 20
CHRON21	NUM	3	Chronic condition indicator 21
CHRON22	NUM	3	Chronic condition indicator 22
CHRON23	NUM	3	Chronic condition indicator 23
CHRON24	NUM	3	Chronic condition indicator 24
CHRON25	NUM	3	Chronic condition indicator 25
CHRONB1	NUM	3	Chronic condition body system 1
CHRONB2	NUM	3	Chronic condition body system 2
CHRONB3	NUM	3	Chronic condition body system 3
CHRONB4	NUM	3	Chronic condition body system 4
CHRONB5	NUM	3	Chronic condition body system 5
CHRONB6	NUM	3	Chronic condition body system 6
CHRONB7	NUM	3	Chronic condition body system 7
CHRONB8	NUM	3	Chronic condition body system 8
CHRONB9	NUM	3	Chronic condition body system 9
CHRONB10	NUM	3	Chronic condition body system 10
CHRONB11	NUM	3	Chronic condition body system 11
CHRONB12	NUM	3	Chronic condition body system 12
CHRONB13	NUM	3	Chronic condition body system 13
CHRONB14	NUM	3	Chronic condition body system 14
CHRONB15	NUM	3	Chronic condition body system 15
CHRONB16	NUM	3	Chronic condition body system 16
CHRONB17	NUM	3	Chronic condition body system 17
CHRONB18	NUM	3	Chronic condition body system 18
CHRONB19	NUM	3	Chronic condition body system 19
CHRONB20	NUM	3	Chronic condition body system 20
CHRONB21	NUM	3	Chronic condition body system 21
CHRONB22	NUM	3	Chronic condition body system 22

CHRONB23	NUM	3	Chronic condition body system 23
CHRONB24	NUM	3	Chronic condition body system 24
CHRONB25	NUM	3	Chronic condition body system 25
DXMCCS1	Char	11	Multi-Level CCS: Diagnosis 1
E_MCCS1	Char	11	Multi-Level CCS: E Code 1
HOSPID	NUM	4	HCUP hospital identification number
PCLASS1	NUM	3	Principal procedure class
PCLASS2	NUM	3	Procedure class 2
PCLASS3	NUM	3	Procedure class 3
PCLASS4	NUM	3	Procedure class 4
PCLASS5	NUM	3	Procedure class 5
PCLASS6	NUM	3	Procedure class 6
PCLASS7	NUM	3	Procedure class 7
PCLASS8	NUM	3	Procedure class 8
PCLASS9	NUM	3	Procedure class 9
PCLASS10	NUM	3	Procedure class 10
PCLASS11	NUM	3	Procedure class 11
PCLASS12	NUM	3	Procedure class 12
PCLASS13	NUM	3	Procedure class 13
PCLASS14	NUM	3	Procedure class 14
PCLASS15	NUM	3	Procedure class 15
PRMCCS1	Char	8	Multi-Level CCS: Procedure 1
RECNUM	NUM	5	HCUP record number

NEW DATA ELEMENTS

Name	Label	
CHRON16	Chronic condition indicator 16	2009
CHRON17	Chronic condition indicator 17	2009
CHRON18	Chronic condition indicator 18	2009
CHRON19	Chronic condition indicator 19	2009
CHRON20	Chronic condition indicator 20	2009
CHRON21	Chronic condition indicator 21	2009
CHRON22	Chronic condition indicator 22	2009
CHRON23	Chronic condition indicator 23	2009
CHRON24	Chronic condition indicator 24	2009
CHRON25	Chronic condition indicator 25	2009
CHRONB16	Chronic condition body system 16	2009
CHRONB17	Chronic condition body system 17	2009
CHRONB18	Chronic condition body system 18	2009
CHRONB19	Chronic condition body system 19	2009
CHRONB20	Chronic condition body system 20	2009
CHRONB21	Chronic condition body system 21	2009
CHRONB22	Chronic condition body system 22	2009
CHRONB23	Chronic condition body system 23	2009
CHRONB24	Chronic condition body system 24	2009
CHRONB25	Chronic condition body system 25	2009
DXMCCS1	Multi-Level CCS: Diagnosis 1	2009
E_MCCS1	Multi-Level CCS: E Code 1	2009
PRMCCS1	Multi-Level CCS: Procedure 1	2009

DISCONTINUED DATA ELEMENTS
The following CCS-MHSA data elements were discontinued beginning with the 2009 KID because the CCS-MHSA scheme was incorporated into the CCS system beginning with 2007 data:

Name	Type	Length	Label
CCSMGN1	NUM	3	CCS-MHSA general category: principal diagnosis
CCSMGN2	NUM	3	CCS-MHSA general category: diagnosis 2
CCSMGN3	NUM	3	CCS-MHSA general category: diagnosis 3
CCSMGN4	NUM	3	CCS-MHSA general category: diagnosis 4
CCSMGN5	NUM	3	CCS-MHSA general category: diagnosis 5
CCSMGN6	NUM	3	CCS-MHSA general category: diagnosis 6
CCSMGN7	NUM	3	CCS-MHSA general category: diagnosis 7
CCSMGN8	NUM	3	CCS-MHSA general category: diagnosis 8
CCSMGN9	NUM	3	CCS-MHSA general category: diagnosis 9
CCSMGN10	NUM	3	CCS-MHSA general category: diagnosis 10
CCSMGN11	NUM	3	CCS-MHSA general category: diagnosis 11
CCSMGN12	NUM	3	CCS-MHSA general category: diagnosis 12
CCSMGN13	NUM	3	CCS-MHSA general category: diagnosis 13
CCSMGN14	NUM	3	CCS-MHSA general category: diagnosis 14
CCSMGN15	NUM	3	CCS-MHSA general category: diagnosis 15
CCSMSP1	NUM	3	CCS-MHSA specific category: principal diagnosis
CCSMSP2	NUM	3	CCS-MHSA specific category: diagnosis 2
CCSMSP3	NUM	3	CCS-MHSA specific category: diagnosis 3
CCSMSP4	NUM	3	CCS-MHSA specific category: diagnosis 4
CCSMSP5	NUM	3	CCS-MHSA specific category: diagnosis 5
CCSMSP6	NUM	3	CCS-MHSA specific category: diagnosis 6
CCSMSP7	NUM	3	CCS-MHSA specific category: diagnosis 7
CCSMSP8	NUM	3	CCS-MHSA specific category: diagnosis 8
CCSMSP9	NUM	3	CCS-MHSA specific category: diagnosis 9
CCSMSP10	NUM	3	CCS-MHSA specific category: diagnosis 10
CCSMSP11	NUM	3	CCS-MHSA specific category: diagnosis 11
CCSMSP12	NUM	3	CCS-MHSA specific category: diagnosis 12
CCSMSP13	NUM	3	CCS-MHSA specific category: diagnosis 13
CCSMSP14	NUM	3	CCS-MHSA specific category: diagnosis 14
CCSMSP15	NUM	3	CCS-MHSA specific category: diagnosis 15
ECCSMGN1	NUM	3	CCS-MHSA general category: E Code 1
ECCSMGN2	NUM	3	CCS-MHSA general category: E Code 2
ECCSMGN3	NUM	3	CCS-MHSA general category: E Code 3
ECCSMGN4	NUM	3	CCS-MHSA general category: E Code 4

Appendix G: Restrictions for the KID (Table left blank)

Summary of State-Specific KID Restrictions, 2009

State	Exclude specific hospitals	Restrict % of cases or hospitals	HOSPID only hospital identifier	Exclude hospital from frame if unique in state stratum	Set strata data elements to missing if sampled hospital is unique in state	Set hospital structural characteristics and outpatient services to missing	MDNUM missing	AGEDAY missing	AGEMONTH missing	AMONTH missing	BWT missing	NACHTYPE or PEDS_PCT, PEDS_DISC, TOTAL_DISC, missing	PRDAYn missing	Set other selected data elements to missing	Mask data	Do not document specific payer if < 100 discharges per year
AR																
CA																
CO																
CT																
FL																
GA																
HI																
IA																
IL																
IN																
KS																
LA																
MA																
ME																
MI																
MO																
NE																
NH																
NJ																
NM																
NC																
NY																
OH																
OK																
SC																
SD																
TN																
TX																
UT																
VT																
VA																
WV																
WY																