Appendix II: State-Specific Restrictions

The table below enumerates the types of restrictions applied to the Nationwide Inpatient Sample. Restrictions include the following types:

- Confidentiality of hospitals
  - Restricted identification of hospitals
  - Restricted hospital structural characteristics
  - Limitation on sampling
  - Restricted release of stratifiers
- Confidentiality of records
  - Restricted release of age in years, or age in days
  - Other restrictions
- Confidentiality of physicians
- Missing discharges.

For each restriction type the data sources are listed alphabetically by State. Only data sources that have restrictions are included. Data sources that do not have restrictions are not included.

Confidentiality of Hospitals - Restricted Identification of Hospitals

The following data sources required that hospitals not be identified in the NIS:
- AR: Arkansas Department of Health & Human Services
- GA: GHA: An Association of Hospitals & Health Systems
- HI: Hawaii Health Information Corporation
- IN: Indiana Hospital & Health Association
- KS: Kansas Hospital Association
- LA: Louisiana Department of Health and Hospitals
- ME: Maine Health Data Organization
- MI: Michigan Health & Hospital Association
- MO: Missouri Hospital Industry Data Institute
- NE: Nebraska Hospital Association
- NM: New Mexico Health Policy Commission
- OH: Ohio Hospital Association
- OK: Oklahoma State Department of Health
- SC: South Carolina State Budget & Control Board
- SD: South Dakota Association of Healthcare Organizations
- TN: Tennessee Hospital Association
- TX: Texas Department of State Health Services
- WY: Wyoming Hospital Association

In these States the following data elements are set to missing for all hospitals:
- IDNUMBER, AHA hospital identifier without leading 6*
- AHAID, AHA hospital identifier with leading 6*
- HOSPNAME, hospital name
- HOSPCITY, hospital city
- HOSPADDR, hospital address
- HOSPZIP, hospital ZIP Code
- DSHOSPID, data source hospital identifier*
- HOSPSTCO, hospital State, modified county FIPS code*
- HFIPSSTCO, hospital State, unmodified county FIPS code*

*Available in AR.

Confidentiality of Hospitals - Restricted Hospital Structural Characteristics

The following data sources restricted the identification of hospital structural characteristics:

- CO: Colorado Hospital Association
- CT: Connecticut Hospital Association
- GA: GHA: An Association of Hospitals & Health Systems
- SC: South Carolina State Budget & Control Board

In these States the following data elements are set to missing for all hospitals:

- HOSP_MHSMEMBER, Multi-hospital system membership*
- HOSP_MHSCLUSTER, System cluster code*
- HOSP_RNPCT, Percentage of RNs among nurses (RNs and LPNs)
- HOSP_RNFTEAPD, RN FTEs per 1000 adjusted patient days
- HOSP_LPNFTEAPD, LPN FTEs per 1000 adjusted inpatient days
- HOSP_NAFTEAPD, Nurse aides per 1000 adjusted inpatient days
- HOSP_OPSURGPCT, Percentage of all surgeries performed in the outpatient setting.**

*Available in GA.
** Available in GA and SC.

Confidentiality of Hospitals - Limitation on Sampling

Limitations on sampling were required for the following data sources:

- MI: Michigan Health & Hospital Association
  - Reporting of total charge is limited in the Michigan data. Twenty-nine of 146 hospitals were dropped from the sampling frame because they did not report any total charges. These hospitals were fairly evenly distributed by hospital type. There were no sampling strata in the State containing only hospitals without total charges.

- SC: South Carolina State Budget & Control Board
  - Two hospitals were dropped from the sampling frame to meet additional South Carolina confidentiality requirements.

Some States limit the hospitals that can be included in the NIS. The following data sources requested that hospitals be dropped from the sampling frame whenever there were fewer than two hospitals in a sampling stratum. For more details about the number of hospitals included in the AHA Universe, Frame, and NIS for each NIS State, refer to Table 8 in Appendix I.

- GA: GHA: An Association of Hospitals & Health Systems
- HI: Hawaii Health Information Corporation
- IN: Indiana Hospital & Health Association
- KS: Kansas Hospital Association
- LA: Louisiana Department of Health and Hospitals
- ME: Maine Health Data Organization
- MI: Michigan Health & Hospital Association
- MO: Missouri Hospital Industry Data Institute
- NE: Nebraska Hospital Association
- NM: New Mexico Health Policy Commission
- OH: Ohio Hospital Association
- OK: Oklahoma State Department of Health
- SC: South Carolina State Budget & Control Board
- SD: South Dakota Association of Healthcare Organizations
- TN: Tennessee Hospital Association
- TX: Texas Department of State Health Services
- WY: Wyoming Hospital Association

Confidentiality of Hospitals - Restricted Release of Stratifiers

Stratifier data elements were restricted for the following data sources to further ensure hospital confidentiality in the NIS:

- GA: GHA: An Association of Hospitals & Health Systems
- HI: Hawaii Health Information Corporation
- IN: Indiana Hospital & Health Association
- KS: Kansas Hospital Association
- LA: Louisiana Department of Health and Hospitals
- ME: Maine Health Data Organization
- MI: Michigan Health & Hospital Association
- MO: Missouri Hospital Industry Data Institute
- NE: Nebraska Hospital Association
- NM: New Mexico Health Policy Commission
- OH: Ohio Hospital Association
- OK: Oklahoma State Department of Health
- SC: South Carolina State Budget & Control Board
- SD: South Dakota Association of Healthcare Organizations
- TN: Tennessee Hospital Association
- TX: Texas Department of State Health Services
- WY: Wyoming Hospital Association

For the above States, stratifier data elements were set to missing if the cell, as defined by the data elements below, had fewer than two hospitals in the universe of the State's hospitals:

- H_CONTRL, control/ownership of hospital, without collapsing
- HOSP_CONTROL, control/ownership of hospital
- HOSP_LOCATION, location (urban/rural) of hospital
- HOSP_TEACH, teaching status of hospital
- HOSP_BEDSIZE, bed size of hospital
- HOSP_LOCTEACH, location/teaching status of hospital
- HOSP_MHSMEMBER, hospital is part of multiple hospital system
- HOSP_MHSCLUSTER, AHA multiple hospital system cluster code

The following data sources restrict or limit the release of age:

- CA: Office of Statewide Health Planning & Development
    - Age in days (AGEDAY) and age in years (AGE) are suppressed for some records. In some cases, AGE is set to the midpoint of the age category.

- FL: Florida Agency for Health Care Administration
    - Age in days (AGEDAY) is set to missing on all records

- MA: Division of Health Care Finance and Policy
    - Age in days (AGEDAY) is set to missing on all records

- ME: Maine Health Data Organization
    - Age in days, (AGEDAY) is set to missing on all records
    - Age in years (AGE) is set to midpoints of five-year ranges as follows:

Maine Restriction on AGE for General Patient Population	
Age Range	New value of AGE
under 1 year	0
1-4	2
5-9	7
10-14	12
15-19	17
20-24	22
25-29	27
30-34	32
35-39	37
40-44	42
45-49	47
50-54	52
55-59	57
60-64	62
65-69	67
70-74	72
75-79	77
80-84	82
85 years & over	87
unknown	Missing (.)

- NH: New Hampshire Department of Health & Human Services
    - Age in days (AGEDAY) is set to missing on all records

- SC: South Carolina State Budget & Control Board
    - Age in days (AGEDAY) is set to missing on all records

- TX: Texas Department of State Health Services
    - Age in days (AGEDAY) is set to missing on all records
    - Age in years (AGE) is set to the midpoints of age ranges defined by the

data source. There were 22 age groups for the general patient population and 5 age groups for the HIV or alcohol/drug use patients. The age groups are shown below:

○ Texas Restriction on AGE for General Patient Population other than HIV or Drug/Alcohol Use Patients

Age Range	New value of AGE
0	0
1-4	2
5-9	7
10-14	12
15-17	16
18-19	19
20-24	22
25-29	27
30-34	32
35-39	37
40-44	42
45-49	47
50-54	52
55-59	57
60-64	62
65-69	67
70-74	72
75-79	77
80-84	82
85-89	87
90 and above	90

Texas Restriction on AGE for HIV or Drug/Alcohol Use Patients

Age Range	New value of AGE
0	0
1-17	8
18-44	31
45-64	54
65-74	69
75 and above	75

The HIV or drug/alcohol use patients were identified by any principal or secondary diagnosis code on the record having the first four characters equal to one of the values in the following list: '2910', '2911', '2912', '2913', '2914', '2915', '2918', '2919', '2920', '2921', '2922', '2928', '2929', '3030', '3039', '3040', '3041', '3042', '3043', '3044', '3045', '3046', '3047', '3048','3049', '3050', '3052', '3053', '3054', '3055', '3056', '3057', '3058', '3059', '7903', 'V08', and '042 '.

Confidentiality of Records – Other Restrictions

The following data sources restrict or limit the release of data elements for patient confidentiality:

- CA: Office of Statewide Health Planning & Development
  - Admission month (AMONTH), gender (FEMALE), and race (RACE) are suppressed for some records.

- FL: Florida Agency for Health Care Administration
  - Admission month (AMONTH) is set to missing on all records

- MA: Division of Health Care Finance and Policy
  - NCHS-defined Patient Urban-Rural Codes (PL_NCHS2006) is set to missing on all records

- ME: Maine Health Data Organization
  - The following data elements are suppressed:
    - Admission Source, UB-92 standard coding (ASOURCEUB92)
    - Admission Source, as received from source (ASOURCE_X)
    - Disposition of patient, UB04 standard coding (DISPUB04)
    - Length of stay, as received from source (LOS_X)
    - Primary expected payer, as received from source (PAY1_X)
    - Secondary expected payer, as received from source (PAY2_X)
    - Point of origin for admission or visit, UB-04 standard coding (PointOfOriginUB04)
    - Point of origin for admission or visit, as received from source (PointOfOrigin_X)
    - Total Charges, as received from source (TOTCHG_X)

Confidentiality of Physicians

The following data sources restrict the release of physician identifiers:
- CT: Connecticut Hospital Association
- MA: Division of Health Care Finance and Policy
- NC: North Carolina Department of Health and Human Services
- UT: Utah Department of Health
- VT: Vermont Association of Hospitals and Health Systems
- WV: West Virginia Health Care Authority

In these states the following data elements are set to missing for all records:
- MDNUM1_R/MDNUM2_R (beginning in 2003)
- MDNUM1_S/MDNUM2_S (2001 to 2002)
- MDID_S/SURGID_S (prior to 2001)

Missing Discharges

The following data sources may be missing discharge records for specific populations of patients:

- IA: Iowa Hospital Association
  - Beginning in data year 2001, the Iowa Hospital Association prohibits the release of two types of discharges: HIV infections (defined by MDC of 25) and behavioral health including chemical dependency care or psychiatric care (defined by a service code of BHV). These discharges were not included in the source file provided to HCUP and were therefore not included in the NIS.

- NE: Nebraska Hospital Association
  - The Nebraska Hospital Association prohibits the release of discharge records for patients with HIV diagnoses. These discharges were not included in the source file provided to HCUP and were therefore not included in the NIS.

- New York State Department of Health
  - Beginning with data year 2008, the New York State Department of Health masks the hospital identifiers on abortion records. As a result, these records are not included in the NIS.