We are precluded from posting the data due to confidentiality concerns. However, we have provided details on how to get access to the various datasets the final files are built out of.

1 Datasets

The datasets below are the ones used to produce the cell level files used for the analysis

- Emergency Department Records: Arizona (2005-2009), California (2005-2007), Iowa (2004-2009), New Jersey (2004-2009), Wisconsin (2004-2009), are available from Healthcare Cost and Utilization Project `www.ahrq.gov/data/hcup/`. These are the files with names of the form POSTALCODE_seddc_YEAR_core.
- Cross walk from Emergency Department Records to American Hospital Association Survey: Arizona (2005-2009), California (2005-2007), Iowa (2004-2009), New Jersey (2004-2009), Wisconsin (2004-2009), are available from Healthcare Cost and Utilization Project `www.ahrq.gov/data/hcup/`. These are the files with names of the form POSTALCODE_seddc_YEAR_ahal.
- American Hospital Association Annual Survey of Hospitals: All states 1990 - 2010: available from `http://www.aha.org/research/rc/stat-studies/data-and-directories.shtml`. These are files of the form aha_extractYEAR
- Inpatient Hospital Records: Arizona (1990-2009), Iowa (2004-2009), New York (1992-2008), Wisconsin (2004-2009) which are available from Healthcare Cost and Utilization Project `www.ahrq.gov/data/hcup/`. Inpatient records for California (1990-2006) from Office of Statewide Health Planning and Development `www.oshpd.ca.gov/`. Inpatient records from Texas (1999-2003) Texas Department of Health Services `http://www.dshs.state.tx.us/thcic/hospitals/HospitalData.shtm`
- Population data from census: Sc_est2007_agesex_res available from Census `http://www.census.gov/popest/states/asrh/files/SC-EST2007-AGESEX-RES.csv` and pop7090 available from the National Bureau of Economic Research `http://www.nber.org/data/census-intercensal-population/`

2 Programs to Produce Analysis Datasets

The following SAS programs produce the analysis datasets. They need to be run in order.

2.1 Programs for Emergency Department Analyisis Dataset

- **P01 ED Code up Visits.sas:** This program combines the Emergency Department Records: Arizona (2005-2009), California (2005-2007), Iowa (2004-2009), New Jersey (2004-2009), Wisconsin (2004-2009) with hospital admissions through the Emergency Department for the same period with the exception of New Jersey as the hospital admissions file for the corresponding years do not include a sufficient information on age at time of admission. It is necessary to add in hospital admissions through the Emergency Department because these will not be captured in the Emergency Department files. The records are then enriched with hospital ownership type from the American Hospital Association Annual Survey of Hospitals.
- **P02 ED Create Population Counts.sas:** This program uses the population data and computes population counts that will be combined with counts of Emergency department visits to produce visit rates.
- **P03 ED Compute rates.sas:** This program takes the output of the prior two programs and produces age specific Emergency Department visit rates and insurance coverage rates. This program outputs **P03 ED CSV File.csv** which is used for the analysis of the Emergency Department Visits in the programs described in the next section.

2.2 Programs for Inpatient analysis dataset

- **P04 Inpatient Code up Visits.sas:** Recode inpatient data for Iowa (2004-2009) and Wisconsin (2004-2009) and enrich it with hospital ownership from American Hospital Association Annual Survey of Hospitals.
- **P05 Inpatient Code up Visits AZ.sas:** Recode inpatient data for Arizona (1990-2009) and enrich it with hospital ownership from American Hospital Association Annual Survey of Hospitals.
- **P06 Inpatient Code up Visits NY.sas:** Recode inpatient data for New York (1992-2008) and enrich it with hospital ownership from American Hospital Association Annual Survey of Hospitals.
- **P07 Inpatient Code up Visits TX.sas:** Recode inpatient data for Texas (1999-2003) ownership data is already on discharge record.
- **P08 Inpatient Code up Visits CA.sas:** This file recodes inpatient analysis conducted onsite at Office of Statewide Health Planning and Development.
- **P08A Inpatient Code up Visits CA - pregnant women.sas:** This file recodes inpatient analysis conducted onsite at Office of Statewide Health Planning and Development.

- **P09 Inpatient Create Population Counts.sas:** This program uses the population data and computes population counts that will be combined with counts of inpatient admissions to produce inpatient rates.
- **P10 Inpatient Compute rates.sas:** Combine the inpatient admission counts produced by files P04 to P08 with the population counts produced in P09 to create a dataset of inpatient visit rates and insurance coverage. This program outputs **P10 Inpatient CSV File.csv** which is used for the analysis of the inpatient admissions in the programs described in the next section.

3 Code to conduct analysis

The following Stata programs produce the figures and regression tables from the analysis datasets.

- **analyze-ed-visits.do:** Generates ED figures (Figure 1) and table panels. Takes as input file **P03 ED CSV File.csv**, generated by SAS programs in Section 2.1 above.
- **analyze-in-visits.do:** Generates inpatient figures (Figure 2) and table panels. Takes as input file **P10 Inpatient CSV File.csv**, generated by SAS programs in Section 2.2 above.