

# 4<sup>th</sup> International Conference and Exhibition on **Biometrics & Biostatistics**

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## Healthcare cost and utilization project (H-CUP): A research tool

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HCUP includes the largest collection of multi-year hospital care (inpatient, outpatient, and emergency department) data in the United States, with all-payer, encounter-level information beginning in 1988. HCUP is the nation's most comprehensive source of hospital data, including information on in-patient care, ambulatory care, and emergency department visits. HCUP enables researchers, insurers, policymakers and others to study health care delivery and patient outcomes over time, and at the national, regional, State, and community levels. The Healthcare Cost and Utilization Project (HCUP, pronounced "H-Cup") is a family of databases and related software tools and products developed through a Federal-State-Industry partnership and sponsored by AHRQ. HCUP databases are derived from administrative data and contain encounter-level, clinical and nonclinical information including all-listed diagnoses and procedures, discharge status, patient demographics, and charges for all patients, regardless of payer (e.g., Medicare, Medicaid, private insurance, uninsured), beginning in 1988. These databases enable research on a broad range of health policy issues, including cost and quality of health services, medical practice patterns, access to health care programs, and outcomes of treatments at the national, State, and local market levels. The HCUP databases are based on the data collection efforts of organizations in participating states that maintain statewide data systems and are partners with AHRQ. In this presentation, we will discuss how to make a clinical research project based on this large database.

### Biography

Ali Seifi, MD, FACP is an assistant professor in the Department of Neurosurgery at the University of Texas Health Science Center San Antonio who has served as an attending physician since 2012. He oversees the care of patients in University Hospitals state-of-the-art Neuro Intensive Care Unit (NICU), as well as leads the units daily operations. This NICU is the only intensive care unit in the region fully dedicated to the care of neurologically ill patients and staffed with physicians and nurses specially trained in the care of patients with brain, spine, and nervous system diseases.

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