

**Table: Available Research Data Sources—Quick Look**

Data Source	Description	DUA Needed ?	Access Link	Variable List	Cost	Important Limitations	Potential Use
<b>Medicare Summary Files</b>	Provider-level summary data (by NPI) of types of procedures offered, charges, and characteristics of treated patients	N	<a href="#">Medicare Provider Utilization and Payment Data</a>	<a href="#">Medicare Fee-For-Service Provider Utilization &amp; Payment Data</a> <a href="#">Physician and Other Supplier Public Use File:</a> <a href="#">A Methodological Overview</a>	None	No patient-level detail	Looking at geographic distribution of procedure types and costs – includes provider credentials
<b>Medicare Summary Files</b>	Summary of all Part B costs by procedure code – includes modifiers	N	<a href="#">Physician Supplier Procedure Summary (PSPS)</a>	<a href="#">PSPSRecordLayoutAugust2010</a>	None	No patient-level detail	Get detailed national utilization summaries for procedure types
<b>Part B National and Carrier Summary Data</b>	Summarizes Part B claims by allowed services and costs by National/Carrier level, HCPCS, and prominent modifiers		<a href="#">National Carrier</a>		None	No patient-level detail	Get detailed national or state level utilization summaries for procedure types
<b>Medicare Claims</b>	Limited Data Sets (LDS) – Similar to RIF but stripped of identifying characteristics as required by HIPPA	Y, but no privacy board review	<a href="#">Access procedures for LDS</a>	<a href="#">Data Dictionaries for LDS</a> <a href="#">Standard Analytic Files</a>	\$		
<b>All Payer Claims Dataset (APCDO)</b>	A series of state-level efforts to compile medical claims from all payers using consistent standards	Y	<a href="#">State Data Access</a>	See documentation for each state	\$	Data elements are state specific	Depending on state and anesthesia data incorporation, may be able to do anesthesia statewide analysis
<b>HCUP Hospital Discharge Data</b>	20% Sample of all-payer hospital billing records	Y	<a href="#">National Inpatient Data Sample (20% Sample)</a>	<a href="#">Availability of Data Elements in the 1988-2013 National Inpatient Sample</a>	\$	No procedure modifiers to indicate type of anesthesia provider	
<b>HCUP Hospital Discharge Data</b>	State by state databases of hospital discharge records from community hospitals	Y	<a href="#">State Inpatient Databases (100%)</a>	<a href="#">SID Database Documentation</a>	\$		
<b>Physician Compare</b>	Demographic information, practice locations, and quality program participation for providers eligible for participation in Medicare.	N	<a href="#">Physician Compare National Downloadable File</a>		None	Only Medicare Part B providers	Provider availability by geography

Data Source	Description	DUA Needed ?	Access Link	Variable List	Cost	Important Limitations	Potential Use
<b>Health Resources and Services Administration (HRSA)</b>	County-level aggregated data on health care workforce, medical utilization, and population demographics	N	<a href="#">AHRF: Area Health Resources File</a>	<a href="#">Documentation</a>	None	No patient, provider, or procedure detail. All summarized by county	Assessment of healthcare resources and socioeconomic conditions across multiple levels of geography
<b>National Practitioner Data Bank</b>	Record of malpractice awards and other measures taken against licensed healthcare practitioners by professional societies, DEA, or Department of HHS	Y	<a href="#">Public Use File</a>	<a href="#">File specifications</a>	None		Malpractice claims and adverse events associated with
<b>NPPEs NPI Registry</b>	Searchable directory of all National Provider Identifiers, NPIs identify individuals or organizations	N	<a href="#">Downloadable files</a> <a href="#">Searchable Database</a>	<a href="#">Description</a>	None		
<b>American Hospital Association</b>	Census of all U.S. hospital detailing characteristics on organization, utilization, expense, staffing, etc.	N	<a href="#">AHA Annual Survey</a>	<a href="#">File Layout</a>	\$	Minimal information regarding anesthesia employment and staffing models	
<b>Bureau of Labor Statistics</b>	Data available on workforce trends including wages and employment. Many fields also available in AHRF.		<a href="#">General information</a>		None	Anesthesia wages only represent employees. Independent and practice owners not included.	Workforce analysis
<b>Dartmouth Atlas of Healthcare</b>	Resources for analyzing geographic disparities in healthcare utilization. There are tools for visualizing trends and downloading data on many healthcare topics.		<a href="#">Website</a>		None		
<b>Kaiser Family Foundation</b>	Kaiser produces many aggregated data tables relevant for research and policy analysis	N	<a href="#">Website</a>		None		