

CASE STUDY

California Healthcare Atlas Offers Single Easy-to-Use Portal



CHALLENGE

California Office of Statewide Health Planning and Development (OSHPD) works to ensure equitable access to healthcare for all Californians. Achieving this goal requires an ongoing commitment to collecting and analyzing the data necessary to quantify the current and anticipated future state of healthcare access throughout California.

SOLUTION

The Healthcare Atlas is an interactive mapping application using hospital and other healthcare facility data including facility locations, financial and utilizations reports, and patient level summaries. Patient origin and market share maps can be created dynamically with the Atlas. The supporting data warehouse currently contains 68 Million patient records while adding 16 Million annually.

All of the data comes from their large and growing Data Warehouse or their geospatial database. The application provides detailed information about hospitals, including license information, finance and utilization data, and annual patient summary reports.

VESTRA supported OSHPD with the development and enhancement of the Healthcare Atlas. Using an ArcGIS-based enterprise GIS framework, the Healthcare Atlas includes GIS data and a custom web application providing information on healthcare policy analysis, allocation of funding resources, and tools to aid in the monitoring of healthcare quality throughout the state of California.

VESTRA's project work included assisting with system and network configuration, installation of data and map server hardware and software, design and implementation of a centralized GIS data repository, development of a Web-based GIS application framework for querying and reporting through OSHPD's Intranet, technical support for the integration of GDT data and healthcare workforce management projects, and the creation of enterprise GIS Web-server best practices and maintenance documentation.

BENEFIT

Maps help to visualize healthcare information and enhance our understanding of California's healthcare landscape.

The goal of the Healthcare Atlas is to help OSHPD staff enhance their understanding of healthcare issues by presenting sophisticated analyses of California healthcare trends in an easy to explore and easy to understand manner.