Taking the Guesswork out of Community Health

The mission of Loma Linda University Health (LLUH) is to strengthen community health so individuals and families can enjoy longer, healthier lives. Like other community health institutions, LLUH uses geographic information system (GIS) technology to support needs assessments. Using GIS, LLUH combines geography with data to help decision makers understand what affects community health and focus resources in the areas with the greatest need.

The Challenge

An essential component of needs assessments is developing mapping applications that identify the location of community assets. These consist primarily of points of interest (POI) such as hospitals, clinics, and pharmacy locations to which health professionals can refer patients.

In the summer of 2014, LLUH’s Community Health Mapping Program team embarked on a mission to revamp its community asset data collection and vetting process. The existing asset database was incomplete; not only was the information outdated, but it also only included asset information from nonprofit organizations that had voluntarily shared data.

The Partner

In need of a more robust database, the Southern California institution turned to Esri® Platinum Tier partner HERE. Founded in 1985, HERE collects, processes, and distributes robust location data. When LLUH asked for a solution that provides credible, up-to-date POI data, HERE presented StreetMap Premium for ArcGIS, paired with ArcGIS for Desktop.

HEALTHY COMMUNITIES

User
Loma Linda University Health

Partner
HERE

Challenge
Eliminate weeks of manual data validation and build a robust community asset database to support key community health initiatives

Solution
ArcGIS® for Desktop
StreetMap™ Premium for ArcGIS

Results
Revamped community asset maps that better support needs assessments, hospital readiness reduction programs, and school health interventions

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“Before we implemented StreetMap Premium for ArcGIS, data quality was a major problem. Now we don’t have to worry about validating data and can focus on what matters most—improving the health of our community.”

James Martinez
Population Health and GIS Analyst at Loma Linda University Health

Learn more about StreetMap Premium for ArcGIS at esri.com/StreetMapPremium

Understanding our world.