Enterprise-class LIS, 9/14

At the AACC Show 2014

September 2014—Orchard Software has introduced Orchard Sequoia, a laboratory information system for the enterprise-wide lab.

Sequoia is "designed to be scalable and to address the needs of the largest clients," says Rob Bush, president of Orchard Software. The product's three-tier design accommodates the needs of high-volume laboratories across multiple locations and departments, including clinical, molecular, anatomic pathology, and microbiology.

Sequoia uses its application program interface in conjunction with Web services to make lab data and Sequoia's functionality available to other information systems. "With Sequoia," says Bush, "users can extract and manipulate data stored in the LIS to generate statistics for analytics using data trends and patterns to provide valuable insight" into population health status and other laboratory business intelligence needs. Ad hoc reports can track such information as turnaround times, physician utilization, testing volumes, staffing levels by shift, billing data, and population data by diagnosis. Sequoia can be used to monitor data by analyte to discover shifts between reagent lot numbers, identify unnecessary or duplicative testing scenarios, or track specific diagnoses or abnormal test results to manage disease populations.

Sequoia uses a Microsoft SQL Server 2012 Enterprise Edition database. Data can be mined using SQL Reporting Services or Crystal Reports.

Sequoia installation at a partner client will begin in the first quarter of 2015 with general production expected by the first quarter of 2016.

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