


GO BEYOND
THE LIMITS OF LIMS.



TrakCare Lab Enterprise

 **InterSystems®**
Health | Business | Government



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The nature of the laboratory business is changing dramatically. Market consolidation, advances in automation, genomic testing, and the increased use of point-of-care testing (PoCT) are driving major shifts regarding where, when, and how testing takes place. It is estimated that 70 percent of medical diagnoses rely on pathology test results, yet laboratories are being forced to do more with less. And even though healthcare environments are becoming increasingly interconnected, many labs are still information silos.

Funding cuts require you to function at maximum efficiency and embrace evolving business models, but the information you need to improve and evolve the business is not readily available. Your current lab information system might tell you which tests have been completed, but do you know how long they took and how much they cost? Are you blind to your own bottlenecks? Are you spending too much valuable time on manual reporting?

To survive and thrive, laboratories need a new generation of informatics solutions, designed to manage the lab as an agile, information-driven business in an increasingly interconnected world.

Make Your Laboratory an Information-Driven, Connected Business.

Now there is a system robust enough to help. InterSystems TrakCare® Lab Enterprise is the world's first and only laboratory business management system, covering all the ground that a typical laboratory information management system (LIMS) does while also empowering you to capture, share, understand, and act on comprehensive operational and patient data for better business decisions and improved patient care.

Whether fully integrated as a module of our top-rated TrakCare healthcare information system or used as a stand-alone system, TrakCare Lab Enterprise gives you:

- Visibility and control over your processes in the delivery of the laboratory service
- Insights to help you standardize and streamline workflows and operating procedures, reducing waste, and lowering costs
- The ability to monitor performance against key performance indicators (KPIs) in real time

With demand, cost, workflow, equipment usage, and quality measures at your fingertips, you can make better-informed business decisions.

Work Smarter.

Traditional LIMS have been designed and implemented with a focus on the core operational functions of running a lab service. These are commonly called the “3 Rs” of pathology: the request, the result, and the report. However, LIMS fall short in supporting efforts to review operational performance and plan more effectively.

REVIEW

- › Demand Management
- › Service Level Agreements
- › Resource Utilization
- › Protocol-Driven Costing



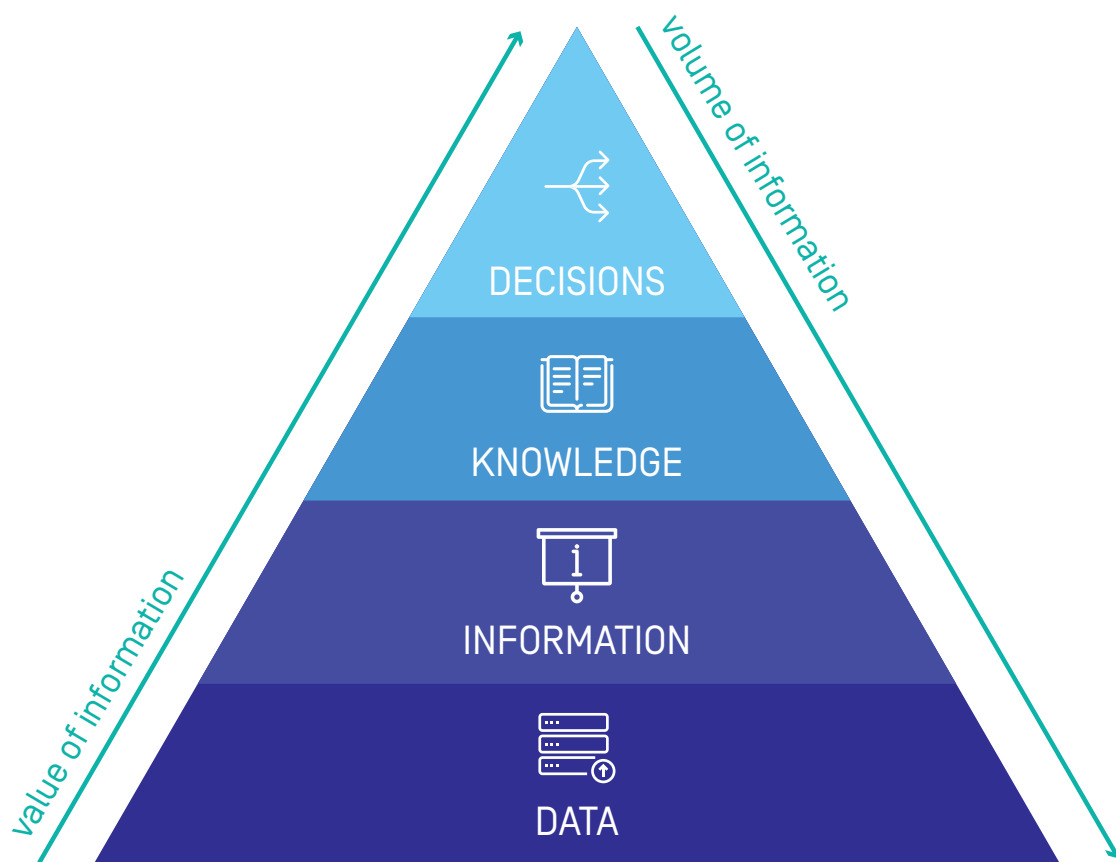
PLAN

- › Skills Availability
- › Laboratory Consolidation
- › New Testing Methodology
- › Competitive Edge

DO

- › Standard Operating Procedures Management
- › Bottleneck Identification
- › Contiguous Pathology Record
- › Industry Standardization

TrakCare Lab Enterprise empowers you to make informed decisions that generate value for your business and foster continuous improvement. Armed with comprehensive operational data, you'll turn near-real-time information into knowledge that will lead to better decisions.



Gain Insight to Drive Improved Business Performance.

Because TrakCare Lab Enterprise measures the performance of a laboratory business and facilitates planning, it is a critical management tool for continuous improvement. You can adopt recognized strategic performance management approaches, such as balanced scorecards, and readily track KPIs using built-in or user-defined dashboards.

For example, consider a typical balanced scorecard combining four distinct perspectives.

Financial

Laboratories no longer need to rely on average-cost structures to estimate operational budgets. With support for activity-based costing, unlimited coding schemes, and multiple site configurations within a single system, TrakCare Lab Enterprise enables precise budget management across your organization. Test item, patient case, specialty, and stakeholder costs are accurately captured as work is performed, with no additional staff input required. Built-in KPIs track both billing performance and cost management.

Financial

- Billing
- Cost Management
- Coding

Customer



The timely and reproducible delivery of lab results improves both clinical outcomes and the efficiency of care provider organizations. Traditional systems measure turnaround times only at the individual test level. TrakCare Lab Enterprise tracks all work involved in a laboratory protocol involving multiple resources and processes to accurately measure timing for all testing stages. Built-in KPIs include queue performance for orders and results, overall turnaround times, and turnaround times for urgent versus non-urgent items.



Queue Performance



Overall Turnaround Time



Urgency Performance

Internal Process



Unlike traditional systems — which do not measure compliance with laboratory operating procedures - TrakCare Lab Enterprise records compliance at every stage of a documented process. With records available on a test-by-test basis, you can review results and perform retrospective compliance analysis. You can use built-in analytics capabilities to assess and modify testing protocols to improve efficiency and throughput. Built-in KPIs track cleaning and maintenance of equipment, compliance with recognized quality standards, and protocol compliance.



Equipment Management



Quality Management



Protocol Compliance

Organizational Capacity



TrakCare Lab Enterprise empowers you to understand peaks and troughs in your organization's workload. There are several features to help you improve workflows:

- Single functions supporting complete laboratory processes without menus
- Choice of device to support the laboratory's mobility requirements
- Keyboard-only interaction if required within a browser-based solution
- Access to documented methods, as well as reagent and collection instructions
- Configuration access, enabling agile methodology and resource changes

Because you can now see your bottlenecks, you can quickly make changes that maintain or improve operational capacity. Built-in KPIs include procedure and work area turnarounds, equipment use, and overall workload.



Procedure Turnarounds



Work Area Turnarounds



Equipment Utilization



Workload



Built on a Proven Health Informatics Platform

Just like each of the unified modules within our TrakCare electronic medical record system, TrakCare Lab Enterprise is built on the InterSystems health informatics platform, which combines high performance, interoperability, analytics, rapid application development capabilities, highly reliable and massively scalable data management, and intuitive design.

When many other platforms mix technology from multiple vendors, every critical software component of TrakCare Lab Enterprise is crafted by InterSystems. This ensures that all of its components work together seamlessly at any scale and improves the reliability of upgrades and maintenance.

Because TrakCare Lab Enterprise is built on industry standards to ensure high interoperability, you can join the wider connected-care community, working seamlessly with your customers, expediting second opinions, and even connecting to larger regional and national networks. Interoperability is also a prerequisite for adding new services as the dynamics of pathology services change. Use it to:

- Connect to and access electronic health records
- Create a comprehensive patient pathology record
- Extend your services into hospital wards and other settings
- Support offsite PoCT equipment and test results

Proven System, Proven Partner

TrakCare Lab Enterprise incorporates global best practices established through successful laboratory software implementations in over 400 labs in 25 countries. It comes preconfigured to meet local requirements to speed up implementation time and reduce risk. For example, it includes built-in support for national reporting requirements and over 650 predefined test protocols.

TrakCare Lab Enterprise is a member of the InterSystems technology family, which serves healthcare delivery organizations and governments in 80 countries. In fact, the health records of 500 million people worldwide are managed by InterSystems TrakCare or other products based on InterSystems technology.

TrakCare Lab Enterprise versus Standard LIMS

	TRAKCARE LAB ENTERPRISE Focus is on service delivery AND business improvement	LIMS Focus is on service delivery of lab results
Support for integration of third-party order communications	●	●
Specimen reception and acceptance	●	●
Results entry, including integration with laboratory equipment	●	●
Clinical verification	●	●
Doctor report production	●	●
Ad-hoc reporting and statistical analysis of data	●	●
Integrated order communications and result publication	●	
Full visibility of testing, including all non-result-type procedures	●	
Granular visibility of workload and costing at a patient, request, and test level	●	
Compliance with standard operating procedures transparently captured during operation	●	
Automated monitoring of user-defined KPIs	●	
Integrated instrument and equipment maintenance records	●	
Integrated pathology patient record for external consumers of the service	●	
PoCT integrated into the pathology record	●	

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technology.

The power behind what matters.

