



The model provides for HL7 interfaces between the LISs for orders and results, and the transmission of all laboratory results to the Ontario Laboratory Information System (OLIS). The model supports general lab, microbiology, anatomical pathology, and transfusion medicine. The OLIS integration includes results of laboratory tests completed at CHEO and TOH, as well as those from the EORLA member site laboratories.

“UPCARE Technology grabbed our trust early on and has delivered on their promises. They are very professional, patient and understand the complexity of our operation. We are very pleased with the value we’ve received and their performance has reaffirmed our decision to work with them.”

- Ruth Jaeger  
General Manager, EORLA

EORLA needed a laboratory connectivity and integration partner to assist them with this complex project. They wanted a company that could provide assessment, technical design, preparation of specifications, programming, testing, process change and project management, including coordination with LIS vendors, the member laboratories and IT departments, and the EORLA project steering committee.

### Solution

EORLA issued a Request for Proposal and after careful consideration selected UPCARE Technology as its LIS-to-LIS (L2L) integration resource. UPCARE Technology conducted a detailed assessment including:

- Review of all 16 EORLA hospital laboratories and their LIS capabilities
- Volumes to be referred to the two EORLA reference laboratories
- Status of the two EORLA reference labs and their connectivity readiness
- Review of the TOH integration infrastructure
- A review and plan for integration options for each participating EORLA lab
- Recommendations to the project steering committee regarding scope and priority

Following the assessment, UPCARE Technology developed a detailed design and a connectivity project plan, including project management approach, tasks, timing, resource requirements and costs. Initially, UPCARE Technology will develop and implement 20 separate general lab HL7 interfaces between the two performing labs and specific member sites.

### Benefits

EORLA expects the L2L integration to produce significant improvements in quality and productivity for their shared laboratory services. Samples will arrive in the reference facilities with LIS patient and order data already entered, labeled with the performing lab’s barcode specimen labels. This will eliminate handoffs, alleviate bottlenecks, reduce medical errors, transcription time and cost. Test turnaround time will also be reduced substantially. Expected productivity improvements will allow EORLA to expand its operations without staff increases. By feeding data to OLIS, authorized physicians and other caregivers will have single source, convenient and rapid access to information to facilitate care across the continuum, while reducing redundant tests.