

MedRunner Health Solutions develops industry-leading prescription platform using Test Level 7™

MedRunner Health Solutions is a Canadian e-Health company that supports the development of healthcare-related ICT solutions. The company's core product is an electronic prescribing solution that can be accessed through the Internet on a desktop or from a mobile application.

The Opportunity

MedRunner was trying to solve the problem of building an interoperable HL7 v3 electronic prescription platform to connect physicians, pharmacy management systems, hospitals, and key participants in a patient's "circle of care".

MedRunner faced two major obstacles in deploying its solution.

The first challenge was the fact that there are at least six independent pharmacy management systems built with different technologies. MedRunner required its HL7 v3 platform to seamlessly integrate into other HL7 v3 compliant systems, sending and receiving electronic prescriptions using pan-Canadian standards. This included working with each vendor to integrate their systems into MedRunner's systems.

The second obstacle was the absence of an interoperable application or tool that allowed all pharmacy management systems to connect and receive electronic prescriptions from the MedRunner HL7 v3 electronic prescription platform.

The Solution

MedRunner's goal was to build an e-Health platform focused on usability, functionality and advancing physician adoption.

To help build this platform, MedRunner chose Intelliware's Test Level 7 (TL7™) – a healthcare systems interoperability testing platform – to test and deploy its HL7 v3 electronic prescription platform.

MedRunner used TL7's Drug Information System test sandbox to test the platform's ability to send prescriptions, add patients, add drugs, add allergies, perform drug interaction checks, and for physicians and pharmacists, to add and abort prescriptions.

MedRunner chose Intelliware because of their expertise in the e-Health sector and their experience deploying and testing healthcare applications that fit within Canada Health Infoway and pan-Canadian standards.

Because e-Health is still relatively new, provincial jurisdictions are at various stages of implementation. This is causing significant challenges for system developers. Without TL7, MedRunner would have had to build its own test system, thereby significantly delaying deployment timeframes and increasing costs.

The Outcome

MedRunner built an HL7 v3 platform that can accommodate all provincial HL7 v3 messaging sets which enable physicians to send electronic prescriptions using HL7 v3.

This means that physicians and national pharmacies can rapidly advance their adoption of electronic prescribing – years ahead of provincial initiatives.



"We believe there are great synergies and opportunities with Intelliware, and, as experts in e-Health integration, we appreciate their support, advice and feedback."

- Todd Murphy, CEO, MedRunner

Key business benefits realized by MedRunner include:

- ❖ Integration of its HL7 v3 platform with all Pharmacy Management Systems and Drug Information Systems using Test Level 7
- ❖ Conformance with Canada Health Infoway and pan-Canadian standards, leveraging Intelliware's expertise
- ❖ Guidance on the best ways to implement and deploy its own solutions

Test Level 7™ is a healthcare systems interoperability testing platform. TL7™ was developed by Intelliware, a custom software and product development firm.

www.testlevel7.com.

