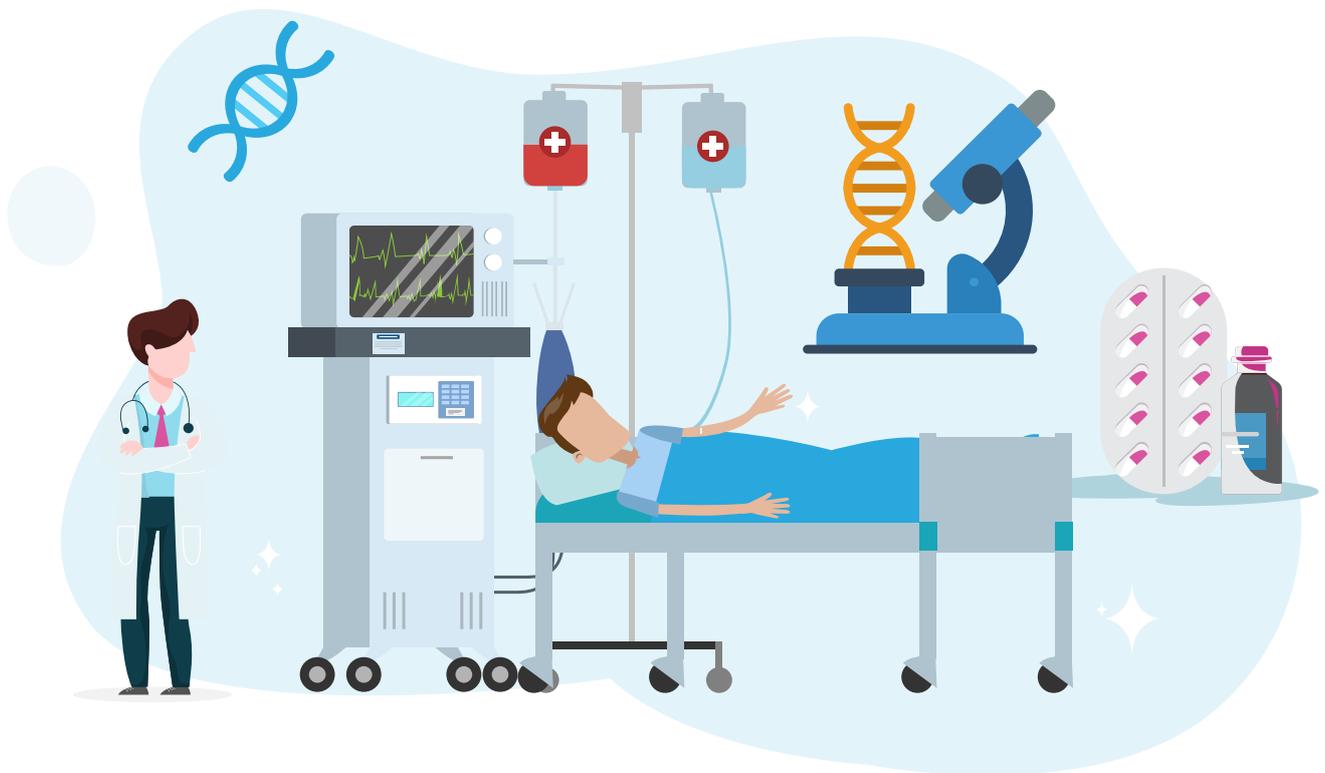# SpringML

Become Indispensable to Your Healthcare Customers

Machine Learning for Healthcare Suppliers

Healthcare services are not delivered in a vacuum. Healthcare providers – from hospitals to clinics to the school nurse's office – all depend on suppliers and vendors to help them run efficiently and ensure better patient outcomes. As a supplier to the healthcare industry, you play a vital role in the delivery of high-quality health products and services.

But the competition is fierce. To fend off upstarts and grow your business, you need to become indispensable to your healthcare customers. SpringML can help – with the power of machine learning (ML) technology.

Whether you're a technology provider, a pharmacy, or a provider of specialized services (such as diagnostic testing), the value of your data should not be underestimated. Our healthcare experts at SpringML can help you build a consolidated view of your data in the cloud – and then deploy ML algorithms to interrogate it for insight.

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Healthcare technology providers:
Give your customers the power of insight

Electronic health records (EHR) hold vast amounts of medical data stored as unstructured text – including prescriptions, radiology reports, medical notes, interview transcripts and much more. SpringML can help EHR vendors and other technology providers apply ML to EHR data.

Now you can help your healthcare customers make better predictions across areas such as mortality, length of hospital stay, or potential for readmission. Such predictions can help your customers improve decision-making, making you an indispensable partner to your customers in the core mission of delivering better outcomes for patients.

ML can also help with identity access management (IAM) – a significant issue when it comes to protecting patient data and complying with HIPAA regulations. Where once firewalls and access directories sufficed, IAM vendors now need to maintain security perimeters around each user as they traverse different systems. SpringML can help you set up ML algorithms that compare individual behavior to the norm within systems and serve up recommendations about whether or not to allow access.
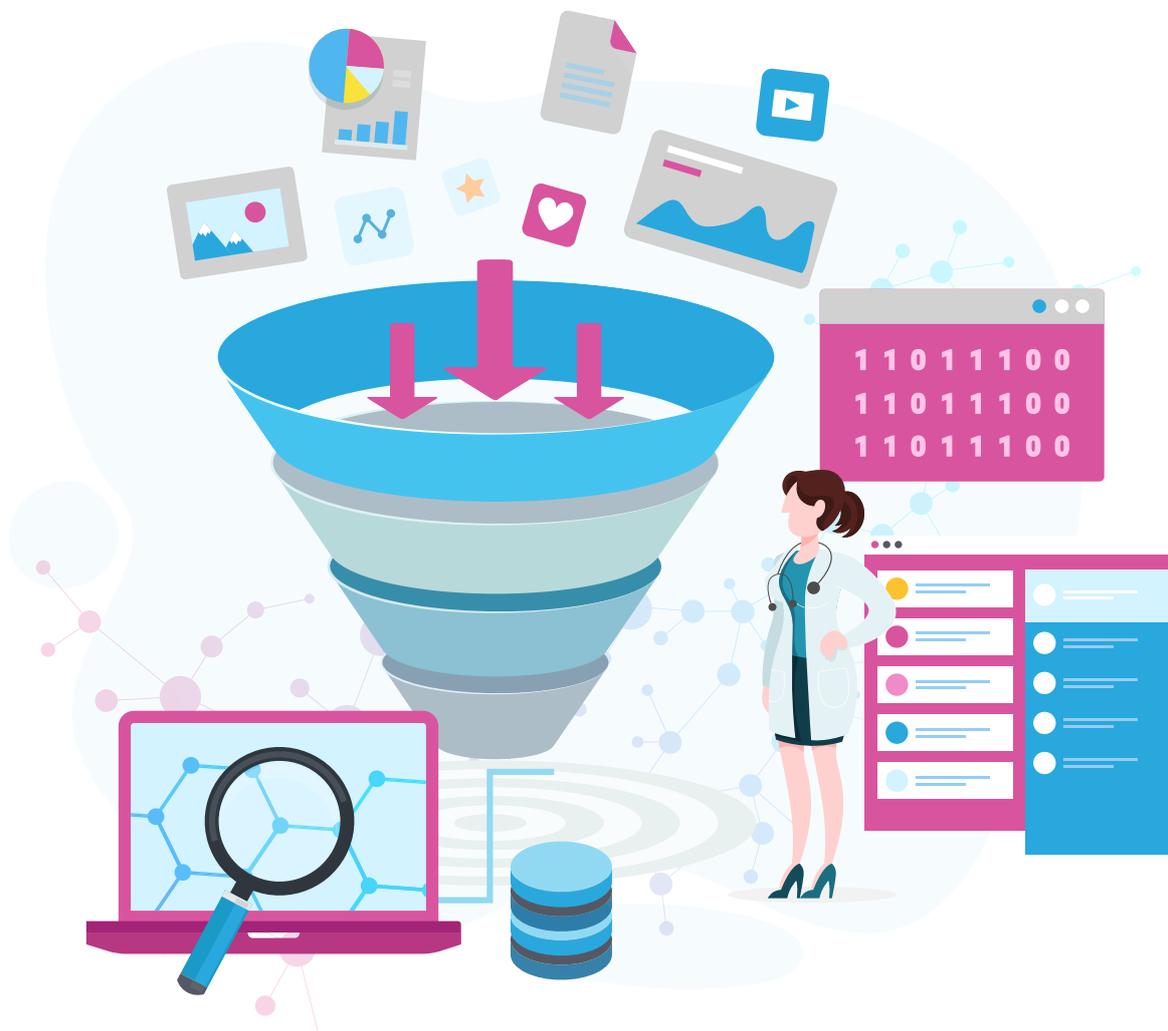
And because you're a business, you also need to run marketing analytics and generate forecasts like any other company. Leaders in this regard are using ML to yield insights into target market segments and run simulations that can support better decisions based on defined criteria. SpringML can help here as well.

Pharmacies: Generate better forecasts and avoid stockouts

Given fluctuating circumstances and a continuous flow of patients with varied needs, many healthcare providers struggle to maintain proper levels of medications. From a patient care perspective, the results are more than simply suboptimal. Without the right drugs on hand and readily accessible on site, healthcare providers understand that lives can be at risk.

If you provide pharmacy services for a healthcare provider, SpringML can help you tackle this persistent challenge using ML models based on linear regression. It is now possible to accurately predict stockouts for medicines hours in advance and integrate this insight into automated replenishment processes. In the end, the insight generated from ML can help you deliver more effective services that directly bear on the ability of your healthcare customers to deliver better care.
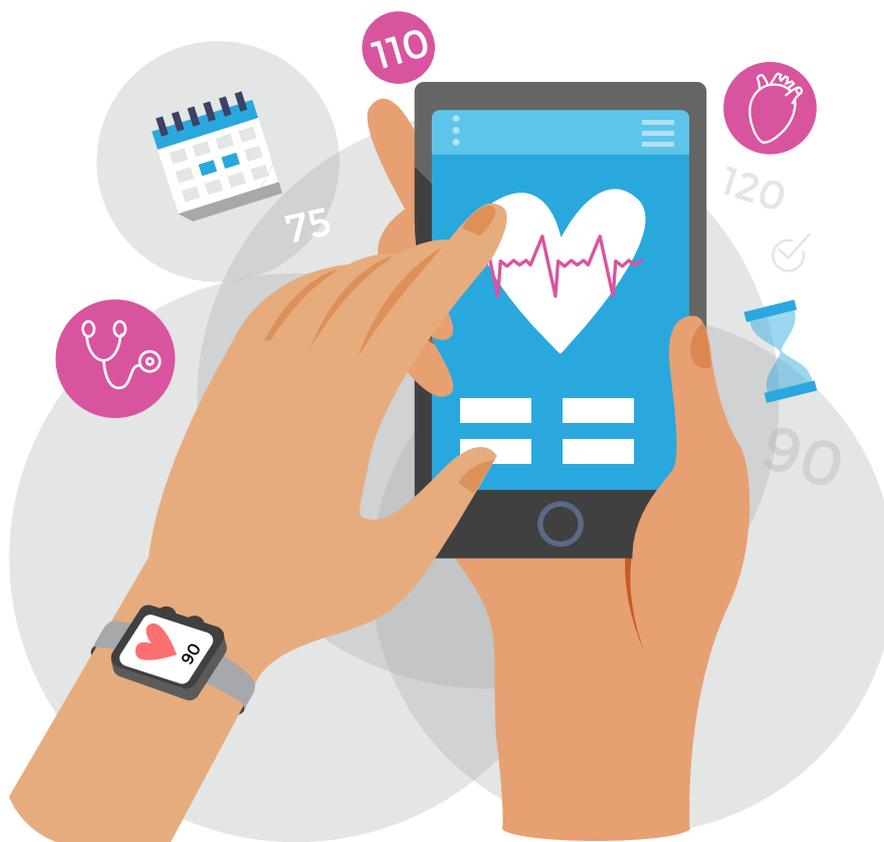
Clinical diagnostic services: Predict outcomes, support healthcare decision-making

Clinical diagnostic labs have access to a wealth of patient and disease data that can be harnessed to dramatically improve patient outcomes. Through data analysis and the application of ML models, SpringML can help you detect patterns that might not be immediately obvious to your healthcare customers.

Many labs, for example, face persistent scheduling challenges. By putting ML to work, SpringML can help you ensure that patients and clinicians are scheduled in a way that helps you more effectively manage capacity. By incorporating a host of factors into the analysis – such as existing schedules, incoming orders, and issues of urgency – ML can optimize the processes you depend on to get work done.

Another possibility is to setup chatbots that use natural language processing (NLP) models to take in symptoms as described by a nurse of physician. By running these symptoms through an algorithm that mixes contextual data with historical data sets from diagnostic tests, EHR notes, and publicly available data sources, you can accurately predict conditions for clinicians to consider.

Chatbots can also be patient-facing. You can put the same NLP capabilities to use on a patient portal, allowing patients to ask questions after receiving results or schedule follow up appointments as needed. Whatever the case, SpringML can help you put ML to use for superior customer service.

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Get the Most Out of Machine Learning with SpringML

From data to knowledge to wisdom. From reactive to predictive to prescriptive. If you're on the road to machine learning and insight from data, SpringML is there with the talent, know-how, and offerings to help you reach your destination.

No company is better prepared to help you seize the advantage with ML in healthcare and life sciences than SpringML. When you partner with us, you get the experience and expertise of a global systems integrator – one with a proven record of helping Fortune 500 companies realize ML value. Our solutions are implemented at more than 150 customer sites worldwide.

Learn More

To get started or learn how you can get more value from data with ML technology, visit us at:

🌐 www.springml.com/healthcare   📞 1.800.346.8260