

Healthcare Enterprise Optimization

Strategic Roadmap and Decisioning Tool

At a time of dramatic transformation, healthcare providers need powerful insights to help guide their plans and strategies. CGI Healthcare Enterprise Optimization is an innovative modeling and analytics solution that enables data-driven insights for managing and forecasting resources, increasing efficiency and improving quality and access to care.

BETTER DECISIONS BY MOVING FROM “WHAT IF” TO “WHAT’S BEST”

Optimizing healthcare value requires a shift in using analytics from monitoring and reporting what has happened, to using prescriptive analytics to make decisions—whether based on clinical insights to improve the patient experience, or financial insights for better planning and forecasting accuracy.

Healthcare providers face decisions involving multiple variables and potential outcomes that typically require months of analysis. CGI Healthcare Enterprise Optimization helps providers measure impacts, evaluate risks and identify optimal choices — more rapidly, intuitively and accurately.

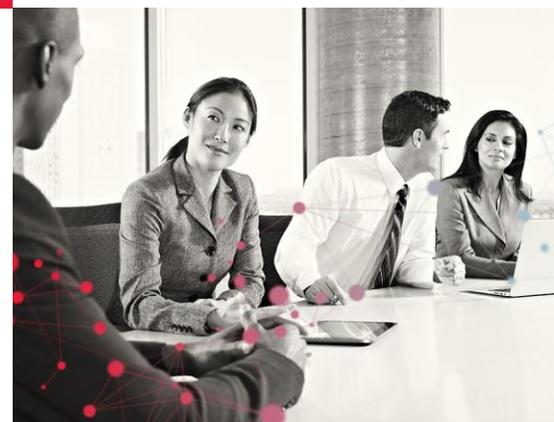
Based on River Logic's Enterprise Optimizer® (EO), the leading modeling and analytics platform for increasing performance through fully integrated decision-making, our solution helps healthcare enterprises:

- Predict how certain forecasts will impact the business both operationally and financially
- Identify opportunities, evaluate risks and conduct what-if/optimization analyses to prescribe the best path forward
- Complement existing business intelligence and planning solutions with a new level of high quality decision support that accurately represents the realities of your business.

KEY INSIGHTS WE HELP HEALTHCARE PROVIDERS OBTAIN

Strategic

- Prescribe the best way to plan for aging demographics, change in funding programs and innovative treatments across all providers in a network
- Understand the impact to access, quality and cost of care if care treatments are moved to different levels of care
- Optimize use of facilities and service lines across integrated care



KEY BENEFITS

- **Optimize for healthcare transformation.** Align and optimize decisions with strategic objectives of the organization, whether financial, clinical, customer experience or business related
- **Simplify analytics.** Advanced but easy-to-use business platform identifies an optimal set of activities or decisions. Insights are quickly generated, easily understood and immediately actionable
- **See the best path forward.** Integrate financial and operational planning and generate insights for better ways to manage resources, reduce costs and improve forecast accuracy while improving quality and access to care.

Tactical

- Understand the impact on the hospital as a whole of implementing a new clinical service in one area given interactions through-out
- Optimize Emergency Department visits and hospital admissions to reduce costs or increase revenue

Operational

- Optimize hospital case mix volumes to improve access to care
- Determine which surgical cases should be increased/decreased to meet demand, improve care or increase revenue
- Understand the impact of opening a new operating room, or closing or reassigning one
- Optimize scheduling procedures in the operating room

CGI IN HEALTH ANALYTICS

The healthcare enterprise of the future will achieve continuous improvements in patient experiences and operational efficiency informed by data and decisions directed by prescriptive analytics. Based on analyzing past behaviors, predictive analytics tell us multiple likely outcomes of what might happen. Prescriptive analytics take it to the next step by analyzing the impacts of each likely outcome, then identifying the best possible outcome, thus prescribing the decision.

CGI helps clients improve the healthcare system and the health of individuals and communities through the better use of information. In addition to our Healthcare Enterprise Optimization platform, our Patient Safety Service and Genomics as a Service are based on leading data and analytics tools and methodologies. We also offer a full range of services covering data management, business intelligence, advanced analytics and big data.

Data2Diamonds is CGI's methodology for design and implementation of data and analytics solutions. It is based on the principle that data contains valuable insights ("diamonds") that can produce business improvements when put to work. The more high-quality data you can access, and the better you can analyze it, the greater the potential for value. Learn more at

www.cgi.com/data2diamonds

ABOUT CGI

Founded in 1976, CGI is one of the largest IT and business process services providers in the world. We combine innovative services and solutions with a disciplined delivery approach that has resulted in an industry-leading track record of delivering 95% of projects on time and within budget.

"We successfully completed an innovative prescriptive analytics project, the first of its kind in healthcare in Canada, to identify the best possible options in terms of quality of care, access to care and cost of care. The CGI Enterprise Optimizer for Healthcare is a powerful decision support tool to model and measure the impacts of a given decision or action on all processes in the hospital or organization."

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For more information about CGI, visit
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