SIMUL8
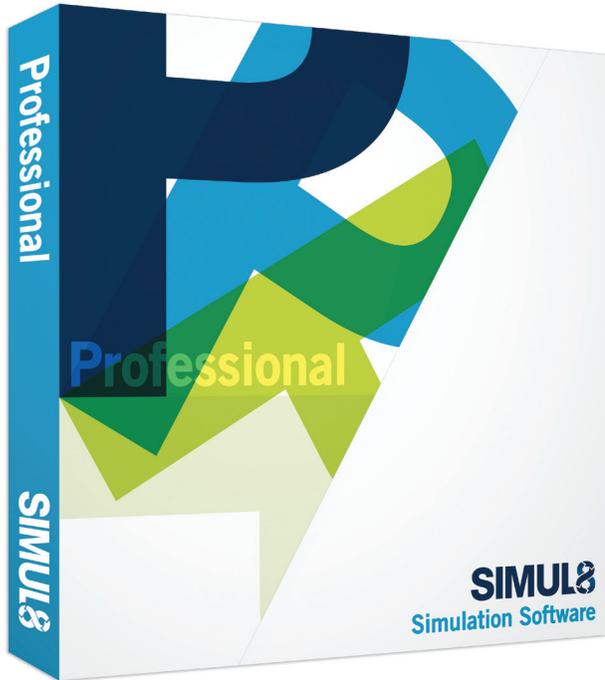
Professional

SIMUL8

Professional

SIMUL8
Simulation Software

- Powerful, flexible, and easy to use
- Visualize, evaluate, and communicate your ideas
- Make evidence-based decisions

Bringing healthcare improvement projects to life for over 20 years

Over 70% of Fortune 50 companies use SIMUL8 simulation software to improve performance.

At SIMUL8 Corporation we pride ourselves on producing world renowned dynamic, innovative simulation software that improves processes, reduces costs and transforms the way people make and communicate decisions.

For over 20 years, SIMUL8 software has delivered cost savings and efficiency gains for major organizations across the world including Ford, NASA, Boston Scientific, and the UK NHS.

SIMUL8 is designed to improve processes

SIMUL8 software allows you to quickly and easily create flexible simulations of your business processes to make important operational and strategic business decisions, all in a risk free environment.

SIMUL8's run speed is unrivalled in the marketplace and as a result provides you with the fastest results with absolutely no compromise on accuracy. Our drag and drop interface helps you get started easily, quickly giving you access to a host of powerful results and the ability to run 'what-if' scenarios right away.

With SIMUL8 you can create and communicate compelling business cases to demonstrate proposed improvement solutions to colleagues and management to get valuable buy-in and support for future decision making.

"SIMUL8 provided a **quick** and **easy** method that allowed planners to look to the future to understand service requirements and the associated costs."

Pablo Anaya
Health Economics Manager
GlaxoSmithKline

Scenario Generator helps identify $3m of potential savings

The simulation also demonstrated that demand on the Emergency Department would only increase by a further 8,000 patients.

Scenario Generator was used to simulate the expected growth of the population - as new housing developments were occupied over the next 11 years - and the subsequent demand on services at the hospital. Particular attention was paid to ED attendance, admissions and outpatient appointments.

Results showed that, although there would be an increase on key areas of service, costs could be decreased over time by reducing outpatient appointments in the hospital.

A potential saving of $3m was identified with the further advantage of saving 11,800 outpatient journeys to hospitals 20 miles away.

Key Facts:

- Potential savings of $3m identified
- Results showed costs could be reduced over time
- Understanding the impact of population increase on demand for health services

Geisinger release 8% of nursing time back to direct patient care

Geisinger Health Systems (GHS) are a large regional medical center, that have been on the forefront of innovative solutions to clinical and operational issues.

Prior research indicated that nurses on inpatient units spend upward of 15% of their time on logistics/supply chain tasks.

A project was put in place to determine the actual nursing time spent doing logistics/supply chain tasks and to develop a new model for logistics inside the hospital.

By using simulation to test new ideas, new methods and their feasibility, answers were provided for quick and profitable decision making.

Efficiency Engineers' extensive data-driven simulation provided GHS with the information necessary to make massive changes impacting its nationwide operations.

Key Facts:

- Reduced staffing for deliveries by up to 25%
- Released 8% of nursing time to direct patient care
- Provided a platform for further innovation and a tool to verify new concepts with low risk

Healthcare Simulation Software

SIMUL8 Corporation specializes in creating focused healthcare simulation applications that users can quickly and easily customize to their environment without the need for specialist training.

Current focused solutions include Dementia, Bed modeling, Emergency Departments, and Perioperative processes.

Enhancing Lean with Simulation

Lean methodology has been demonstrating improvements in healthcare for some time now. Using Simulation and Lean together is less common which is surprising. Simulation allows you to engage colleagues in testing possible "future state" improvements without disrupting current practice or affecting patient safety. It provides robust evidence of improvements likely to give the most benefit, allowing you to accelerate the change process. It is the Lean way of doing Lean.

Participants engaged in an academic research combining the two methods thought that simulation, added to Lean provided 'an interactive and dynamic process map' bringing the process map to life; and a 'what-if' scenario tool for experimenting with process configurations and testing proposed changes. SIMUL8 software now allows users to model a live Value Stream Map to test future states. Geisinger Health Systems and Efficiency Engineers use this technique to rapidly test the value of implementing a new process flow before implementation.

Get SIMUL8 for your classroom with our Educational Site License and teaching materials that show how easy it is for students to build and run their first simulation.

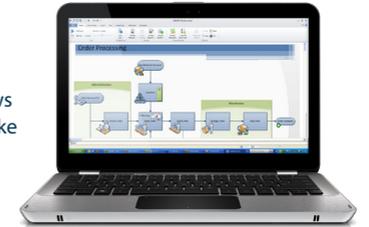**Get in touch at info@SIMUL8.com for more details.**

From strategic planners to front-line staff, SIMUL8 provides a simulation software solution to improve healthcare at every level of the organization. Contact **healthteam**@SIMUL8.com to discuss which product is right for you.

SIMUL8

Our flagship product that is used in healthcare organizations across the world. SIMUL8 allows you to quickly and accurately create flexible simulations of your healthcare processes to make important operational decisions, all in a risk free environment.

- Reduce costs
- Improve processes
- Experiment with new ideas
- Identify impact of change
- Prove an investment will work

www.SIMUL8.com

S:G ScenarioGenerator
Simulation Software for Healthcare Improvement

Scenario Generator is the only simulation software tool for strategic planning that enables design and simulation of care pathways within whole health and human service systems.

- Replicate your existing health system
- Test changes in your system including population, disease, service, and care pathways
- Simulate impact on flow, capacity, waiting times and cost

www.scenario-generator.com

DesignSim for Care

Our revolutionary new product that is inspired by and designed with nurses in mind; allowing them to use simulation and Lean to improve patient care. Nurses can simulate new layouts to provide evidence for the best improvement solution and, therefore, give more time for patient care.

- Provides evidence for change
- Allows nurses to make improvements and release time to care for patients
- Uses lean techniques adapted and tested in healthcare
- Improves ward processes and environments

www.DesignSimCare.com

SIMUL8

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