



Healthcare Modeling and Simulation Consulting

De-risking operational transformations through the creation of a digital twin

Today's healthcare leaders face tighter budgets, staffing shortages, and the complexity of running an interconnected hospital system. To optimally enhance workflows and improve capacity utilization, we offer an evidence-based way to test "what-if" scenarios without risking the time and money to implement unproven solutions.

By creating an accurate digital twin of your health system's current situation, we can virtually evaluate the impact of any change initiatives on your hospital system key performance indicators (KPIs). From this baseline, we test realistic and relevant scenarios that can potentially improve your daily operations. Interpreting the results of the scenarios helps you make evidence-based decisions on improving performance by evaluating demand, pathways, capacity, staffing, and processes.

An innovative approach

We believe in a highly interactive and collaborative approach to find the optimal solution.

Kick-off: Set up steering committee and core working group.

Assessment: Assess current state and quantify opportunities by triangulation of retrospective data, interviews, and observations.

Scenario planning: Collaborate in scenario workshops to define and prioritize ways of actualizing the identified opportunities.

Scenario modeling: Develop the digital twin, validate the baseline model, and iteratively test scenarios through the model.

Roadmap: Engage with key stakeholders to detail recommendations and develop a roadmap to achieve the future state.

Implementation: Discuss implementation steps based on the roadmap.

Key Benefits

- Risk-free digital space for exploring transformation and innovation processes
- Examination of all relevant scenarios through simulation in digital twin of current situation
- Single source of truth for actualizing on high-value transformation initiatives
- Data-enabled insights to communicate your vision for change

Expected results*

Our consultants help support improved operational efficiency by providing insights from your digital twin

- Optimal transformation initiatives
- Quantified benefits of proposed technology solutions
- Right-sizing of your capacity

Learn more

Through collaborative and people-focused engagements, Philips can help develop innovative solutions to solve your most complex challenges of care delivery. We can help you achieve meaningful and sustainable improvements in clinical excellence, operational efficiency, care delivery, and financial performance to improve value to your patients.

For more information, please visit www.philips.com/healthcareconsulting.

* Results from specific client engagements are not predictive of results in other situations. Results in other situations may vary.