



# Demand and capacity planning

## Modeling scenarios to help you quantify and visualize upcoming care needs

Philips demand and capacity planning helps healthcare organizations quantify and visualize potential upcoming care needs to become more resilient in resolving the backlog and managing new cases following the COVID-19 pandemic. Using our modeling tools, we can simulate the impact of a predicted volume on the necessary resources including space, equipment and staff.

### A collaborative approach

Using our innovative design thinking methodology CoCreate, our consultants work with you and your stakeholders.

**Customized insights:** To gain insight into the extent of necessary care that has been delayed, we help you anticipate the influx of new patients and then determine how well this demand can be accommodated with the available capacity – equipment, space, operating hours and care providers. By plugging these demand assumptions into our modeling tools, we get a customized insight into the impact of this backlog on your organization.

**Scenario development:** Various ‘what-if’ scenarios are visualized by adjusting variables to identify potential new ways of working. We work with you to determine the strengths and feasibility of each approach and support you in making decisions on which adjustments make the most sense for your specific situation.

**Solutions and impact:** We collectively define potential solutions to adjust the capacity to resolve the backlog and return to a manageable situation such as:

- Extending operating hours
- More efficient scanning protocols and/or changeover times
- Increasing people and/or equipment

### Benefits

- Insight into projected care needs and potential resource constraints
- Better utilization of existing resources
- Enhanced service to new patients while resolving the backlog
- Faster transition into the ‘new normal’

### Proven results

In a recent project with a large healthcare provider in The Netherlands, we modeled scenarios with five imaging modalities and collaborated with the client to find the best solutions to increase capacity and resume procedures:

- MRI: Shorten scan times up to 50% by implementing Philips Compressed SENSE<sup>1</sup>
- CT: Open an extra day in one site and shift some cases to another site
- US: Add an additional ultrasound machine
- Mammo: Start earlier in the day
- Radiography: Sufficient capacity; no additional measures required

### Learn more

Through collaborative and people-focused consulting 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](http://www.philips.com/healthcareconsulting)

<sup>1</sup> Compared to Philips scans without Compressed SENSE