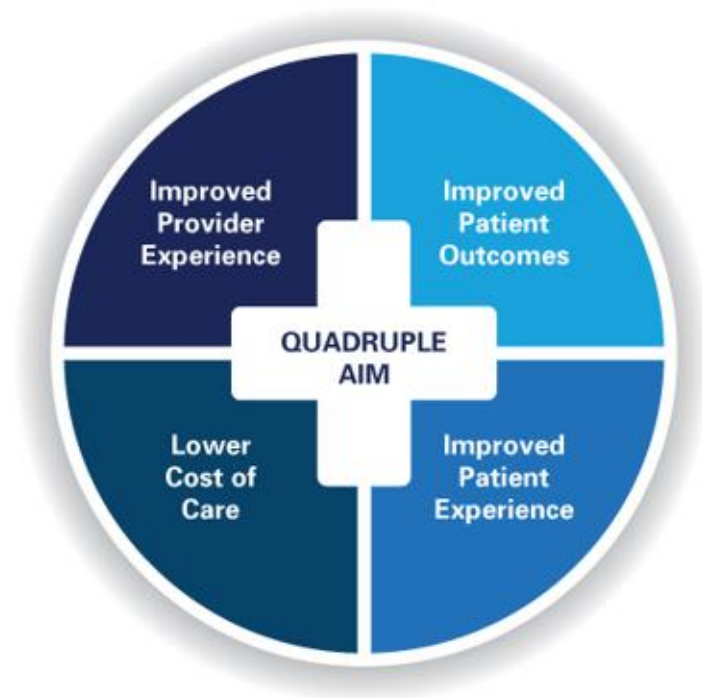


How Omega Helps Hospitals Meet The Quadruple Aim in Healthcare

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The Triple Aim was developed by the [Institute for Healthcare Improvement](#) (IHI) as an approach to optimize health system performance. The goal of the Triple Aim was to “improve the patient care experience, improve the health of a population, and reduce per capita health care costs.” The Quadruple Aim adds a fourth aspect – improved clinical experience. Without improved clinical experience on the provider’s side, the patient-centric aspects of the Triple Aim wouldn’t reach their full potential.

Improved Patient Experience

Improving the patient experience aims to improve the quality of care a patient receives. Before the Triple Aim was created, improved patient experience was the primary focus of healthcare. Patient-related benefits include better outcomes, fewer procedures or fewer visits, and a better quality of life because of their experience.

Omega helps hospitals meet this aspect of the Quadruple Aim by providing patients with better peace of mind knowing that they are being treated in the safest environment and are receiving the best care possible. That safer environment is the result of the proven science of Omega’s AI image-guided ROI systems that deliver [up to ~84%](#) additional reduction in radiation exposure when compared to conventional, non-AI systems. Lower radiation exposure directly translates to lower lifetime risks of cancer.

Improved Patient Outcomes

Improving the patient experience flows directly to the aim of improving patient outcomes. Improved outcomes are not only the goal for the individual patient, but for the overall population as well. Healthcare that provides care without increasing the risk of chronic, long-term diseases such as cancer benefits society.

Similar to improving the patient experience, Omega helps achieve better outcomes with systems that positively impact present and futures outcomes. Omega’s [AI-driven ROI](#) systems perform beyond merely filtering radiation by actively blocking the radiation to a patient’s peripheral anatomy. This dramatically reduces harmful side effects and the risk of cancer. Not only are more acute side effects such as hair loss and skin burn reduced, so too are the cumulative impacts of radiation with respect to lifetime cancer risk.

Lower Cost of Care

According to [Centers for Medicare and Medicaid Services](#), the U.S spent 17.7% of our GDP on healthcare in 2019 – \$3.8 trillion, or \$11,582 per person. The goal of the Quadruple Aim is to achieve the first two aspects of improving the patient experience and patient outcomes while reducing the cost – the per capita cost of healthcare. It’s important that the quality of care isn’t diminished as costs are controlled.

Omega helps lower the cost of care with systems that reduce the risk of cancer to patients and staff. Lowering the radiation exposure to both patients and staff reduces the long-term risk of cancer and subsequent cost those additional cases would represent. What would the societal impact be worth if all interventional systems used the radiation exposure reducing technology that Omega does?

Improved Provider Experience

The previous three aspects formed the original Triple Aim of healthcare. Improving the provider experience is the fourth aspect and completes the Quadruple Aim. The pressures on healthcare providers are immense. As stated, there's pressure to improve the patient experience and to improve patient outcomes – all while lowering the cost of care. Add to this the pressure providers must feel knowing that the very care they provide puts their own staff at risk.

It's been made clear that Omega systems lower the risk of cancer to patients and staff by dramatically reducing the level of radiation exposure. Omega achieves this with a system that represents no interruption in existing workflows and provides the superior image quality demanded for improved patient outcomes. If providers can offer the best in care and do so while reducing the risk to their staff, how much would that mean to an improved provider experience?

Summary

The Quadruple Aim strives to optimize the healthcare system. This can be achieved by improving the patient experience, patient outcomes, lowering costs, and improving the provider experience. Are these goals mutually exclusive?

Omega systems affect and improve each aspect of the Quadruple Aim and provide a proven solution that dramatically impacts the successful realization of the Aim.



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