# The Economic Impact of Future Fleet Performance Management

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## The critical importance of Fleet Performance Management

In today's fast-changing business world, healthcare organizations face increasing pressure to reduce inefficiencies, optimize resources, and improve workforce productivity. Fleet Performance Management (FPM) has become a critical tool to achieve these goals, particularly in industries like healthcare, where staff shortages, long wait times, and rising costs pose major challenges.

Without structured FPM, businesses risk operational bottlenecks, lost revenue, and declining service quality. Statistics show how performance inefficiencies impact industries and highlight the benefits of data-driven management.

## Why Fleet Performance Management is more important than ever

**Addressing staff shortages and burnout**
Staff shortages are a major concern. In Germany, for example, 840 positions for medical technical assistants remain unfilled [1], and 97% of technologists currently employed report burnout symptoms. [2] In the U.S., 33% of hospitals operate at a financial loss, worsening the pressure on healthcare workers.

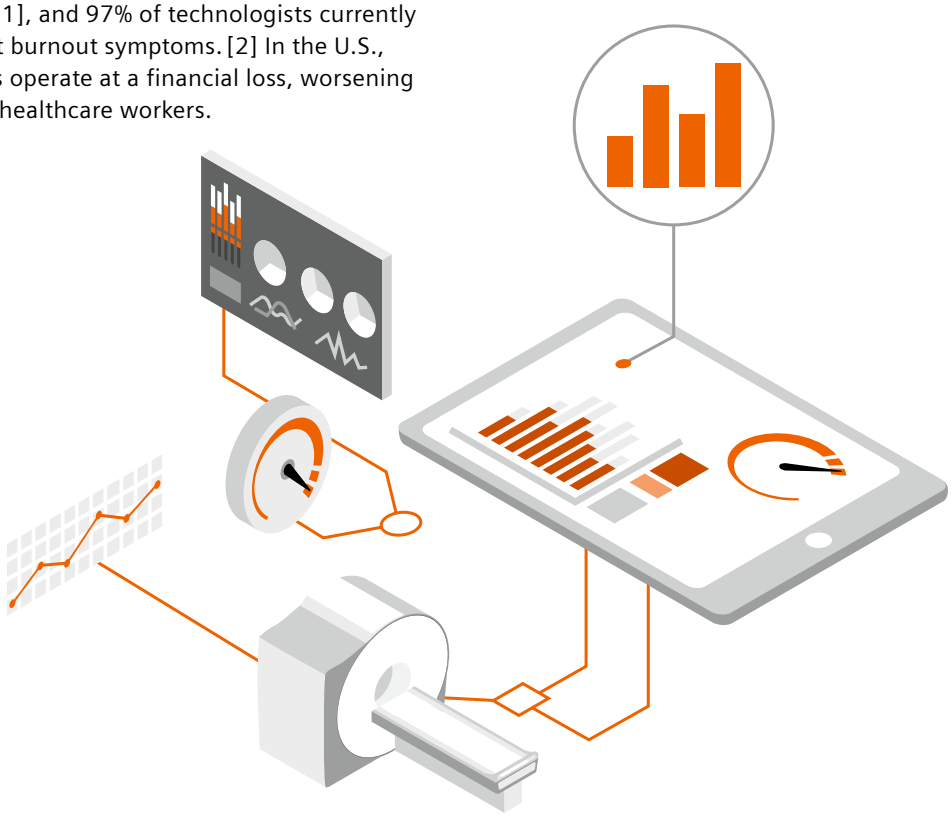
FPM helps by analyzing staff productivity, optimizing schedules, and automating routine tasks, reducing stress while improving efficiency.

**Reducing wait times and downtime**
Inefficient resource use results in delays. In the UK, MRI and CT wait times average 6-8 weeks [3], while in Canada, 68% additional CT capacity and 31% additional MRI capacity remain unused due to scheduling inefficiencies. [4]

FPM can help by tracking equipment usage, optimizing workflows and capacity utilization, and reducing wait times without major infrastructure investments.

## The economic impact of poor Fleet Performance Management

Inefficient scheduling alone can lead to significant revenue losses – studies show that hospitals lose $ 222,000 per year per MRI scanner due to underutilized resources. [5] Additionally, inefficient workflows result in an average annual cost of $22,400 for unproductive labor, as technologists spend substantial travel time harmonizing MR protocols across multiple sites. [6]



## Optimizing workforce productivity

Organizations that effectively manage fleet performance can achieve significant efficiency gains. For example, optimized management has led to 30% increase in patient scans. [7] Additionally, the implementation of digital tracking and workforce management tools has improved operational efficiency, resulting in a 40% reduction in training time for new hires and enabling healthcare providers to better allocate resources. [8]

## Key components of effective Perfomance Management

**1. Data-driven decision making**
Modern FPM relies on accurate data insights and thorough data analytics to identify inefficiencies and enhance efficiency.

**2. Workforce optimization**
Options for remote work prevent understaffing and the overburdening of employees, ensuring optimal resource allocation and options for knowledge sharing.

**3. Continuous improvement**
FPM is an ongoing process requiring regular performance reviews and adjustments to adapt to operational changes.

**4. Technology integration**
Using customizable data analytics, workflow automation, and remote monitoring significantly improves efficiency and service delivery. However, this always includes an element of change management within organizations.

## The future of Performance Management

FPM tools can help predict workload fluctuations, optimize staffing models, and provide insights for improved efficiency. Remote scanning, data analytics, and AI-assisted diagnostics are already transforming healthcare, with similar applications in other industries.

FPM is also tightly linked to sustainability goals, with healthcare providers optimizing energy use, reducing waste, and enhancing employee wellbeing. This can lead to higher retention rates, improved brand reputation, and long-term profitability.

## Conclusion

Fleet Performance Management is a business necessity. Without it, organizations face higher costs, lower productivity, and declining service quality. By focusing on data-driven strategies, workforce optimization, continuous improvement, and technology integration, companies can maximize efficiency and reduce costs.

Statistics prove that long wait times, staff shortages, and financial inefficiencies are widespread challenges. However, structured FPM can transform these issues into opportunities for growth.

Modern healthcare providers can no longer afford not to optimize their fleet performance if they want to continue to serve their patients, while staying in positive margins and being an attractive employer. The future of FPM is expected to lie in AI, automation, and adaptive strategies. Healthcare institutions that invest in these areas today have better chances to lead the market tomorrow.

The statements by customers of Siemens Healthineers described herein are based on results that were achieved in the customers' unique setting. Because there is no "typical" hospital or laboratory and many variables exist (e.g., hospital size, samples mix, case mix, level of IT and/or automation adoption), there can be no guarantee that other customers will achieve the same results.

## Sources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