

# Smarter ICU planning.

AI-driven healthcare precision  
*Right here. Right now.*

Region Västerbotten needed to modernize one of healthcare's most complex environments: the ICU. Manual planning involved whiteboards, spreadsheets, and subjective assessments by clinicians of the care burden and length of stay for each patient. Uncertainty was rife, inefficiencies were common, and valuable clinical time was lost to admin.

To train an AI model to predict care time and discharge probability, we gathered data from three ICU departments, spanning 137,000 care events, and 13,000 patient variables. Thanks to our proven solution, medical teams can now access insights on a web application at 7am every day, showing expected patient volumes, care burdens, and discharge forecasts via a clear traffic light system.

With up to 80% accuracy in discharge predictions, the solution enables more objective, confident planning. In Västerbotten ICUs, this means better resource utilization, increased cost efficiency, and improved quality of care. Thanks to inbuilt scalability, the initiative is poised to inspire national collaboration, allowing clinicians across Sweden to spend more time on patient care.

