

RADIOLOGIC CLINIC – REGION HOVEDSTADEN – CAPACITY UTILIZATION OF CT AND MR SCANNERS

In cooperation, Region Hovedstaden and Copenhagen Optimization (CopOpt) has completed an analysis of the capacity utilization for CT and MR scanners at the hospitals in Region Hovedstaden. The analysis was conducted as a part of the new strategy for the future use of the hospitals in the region.

The analysis was done by using data for every scan done in 2014-2017. By using this data, we were able to create the occupancy in 15-minute intervals during the day. The occupancy was compared to the actual capacity, hereby establishing the utilization. With the analysis in place and in dialogue with the radiologic clinics, we completed the analysis and secured the validity of our results.

The results showed an average utilization for the CT scanners at around 75%, with large differences between the hospitals. For the MR scanners the average utilization were around 85%, with very similar use across the hospitals.



FINDINGS FROM THE PROJECT

- None or limited planning support to secure correct planning of occupancy on the CT and MR scanners
- Central planning and performance evaluation across the region required to secure an equal utilization of the available scanners
- On several of the hospitals there are old equipment and equipment located in hard accessible areas, these facts contribute to lower the utilization
- Maintenance on the scanners should be planned according to how much the scanners are in use instead of time-based maintenance windows

