

Improve Medical Outcomes of Kidney Patients

RenalTeam is a healthcare provider for dialysis treatment. Their journey of caring for patients with end-stage renal disease began in 2012. They believe that patients with renal failure can live fulfilling lives with the support of their families and its team of caregivers. RenalTeam is now established in Singapore, Malaysia and Indonesia. Their journey with renal patients continues as they move towards creating value and outcome-focused care by harnessing the power of technology, build partnerships with their patients, develop and train their staff.



"We look forward to using and enhancing the AI model to help our care teams make better data-driven decisions to improve our care and reduce the hospitalisation of our patients."

Chan Wai Chuen, Group Managing Director

BACKGROUND

- Kidney patients have a high risk of hospitalisation
- Hospitalisation increases medical cost and mortality of patients
- Current prediction of patients' imminent risk of hospitalisation is experience-based

BUSINESS CHALLENGE

How can RenalTeam systematically and accurately predict which hemodialysis patient will be hospitalised within the next week

OUTCOMES



AI model is **36%** more precise compared to RenalTeam's medical team



RenalTeam is integrating the AI model into their system to act as a decision support tool for their medical team



Senior nurses can prioritise and take a second look at patients flagged by the AI-model



Nurses can then decide if intervention is needed based on their medical assessment

110010
100110
001111

Data culture instilled as patients' dialysis data are properly stored and nurses' feedbacks are collected to improve the AI model's performance