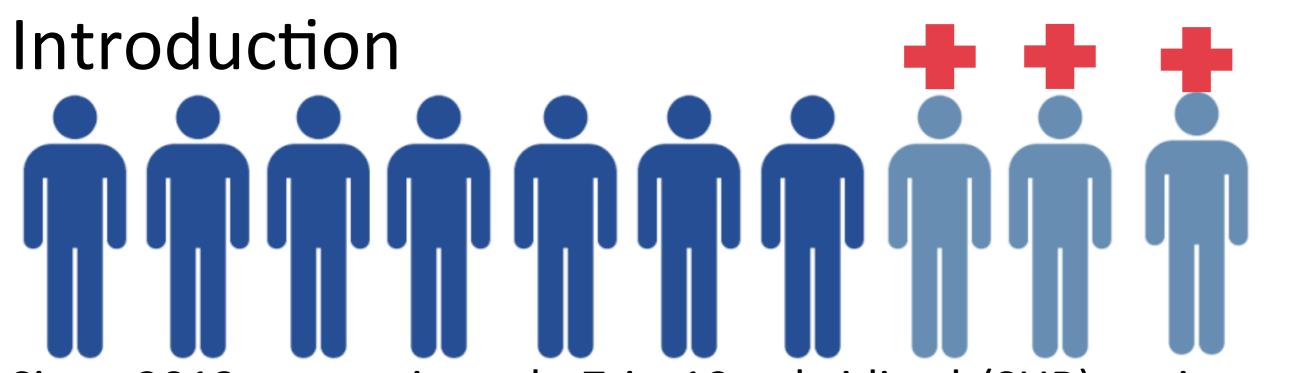


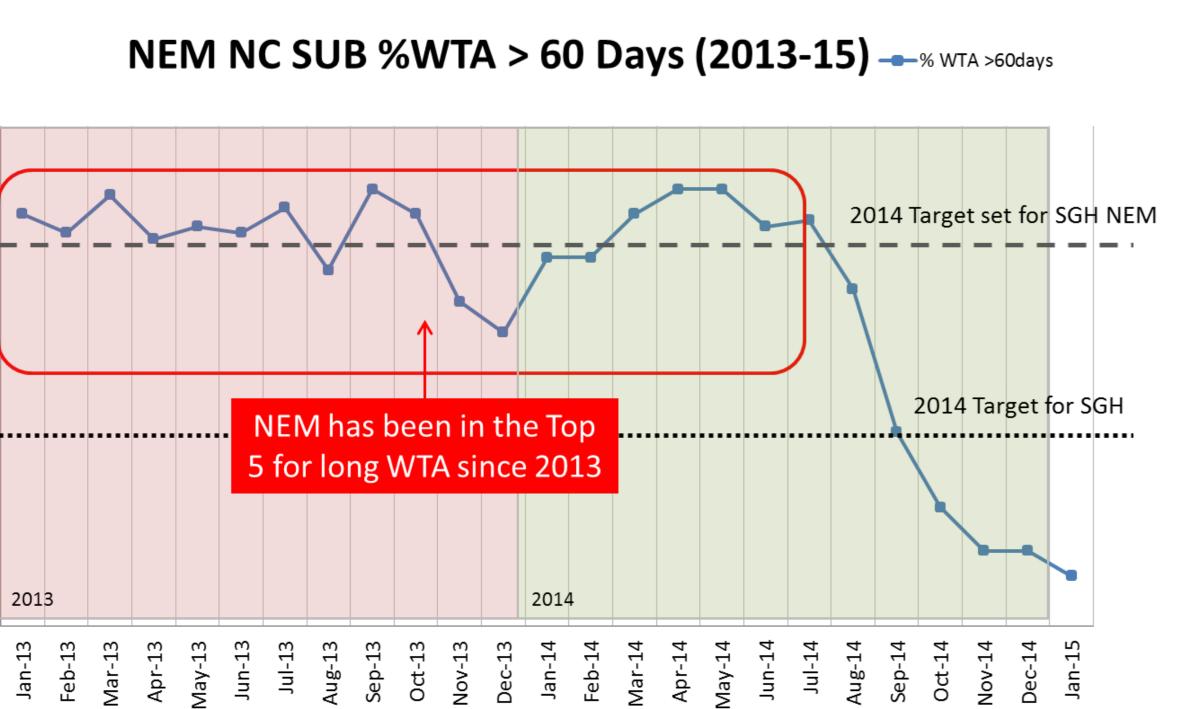
Improving access to care for Neurological patients by Effective Optimization of Clinic Resources

Lois Goh Jie Yi, SGH A/Prof Lo Yew Long, NNI Yeo Shuan Khiag, SGH Lee Lin Hui, SGH Emily Chng Khau Leng, SKH



Since 2013, approximately 7 in 10 subsidised (SUB) patients waited for more than 60 days for a first appointment to see a neurologist in Singapore General Hospital Specialist Outpatient Clinics (SGH SOC) (Figure 1). This made neurology department (NEM) one of the Top 5 departments with the longest waiting time for appointment (WTA).

Long waiting has implications on patients' clinical outcome and standard of care. it is also one of the corporate objectives in SGH strategy map and hospital's key performance indicator (KPI) tracked by Ministry of Health (MOH), hence the motivations for this project.



Mission statement

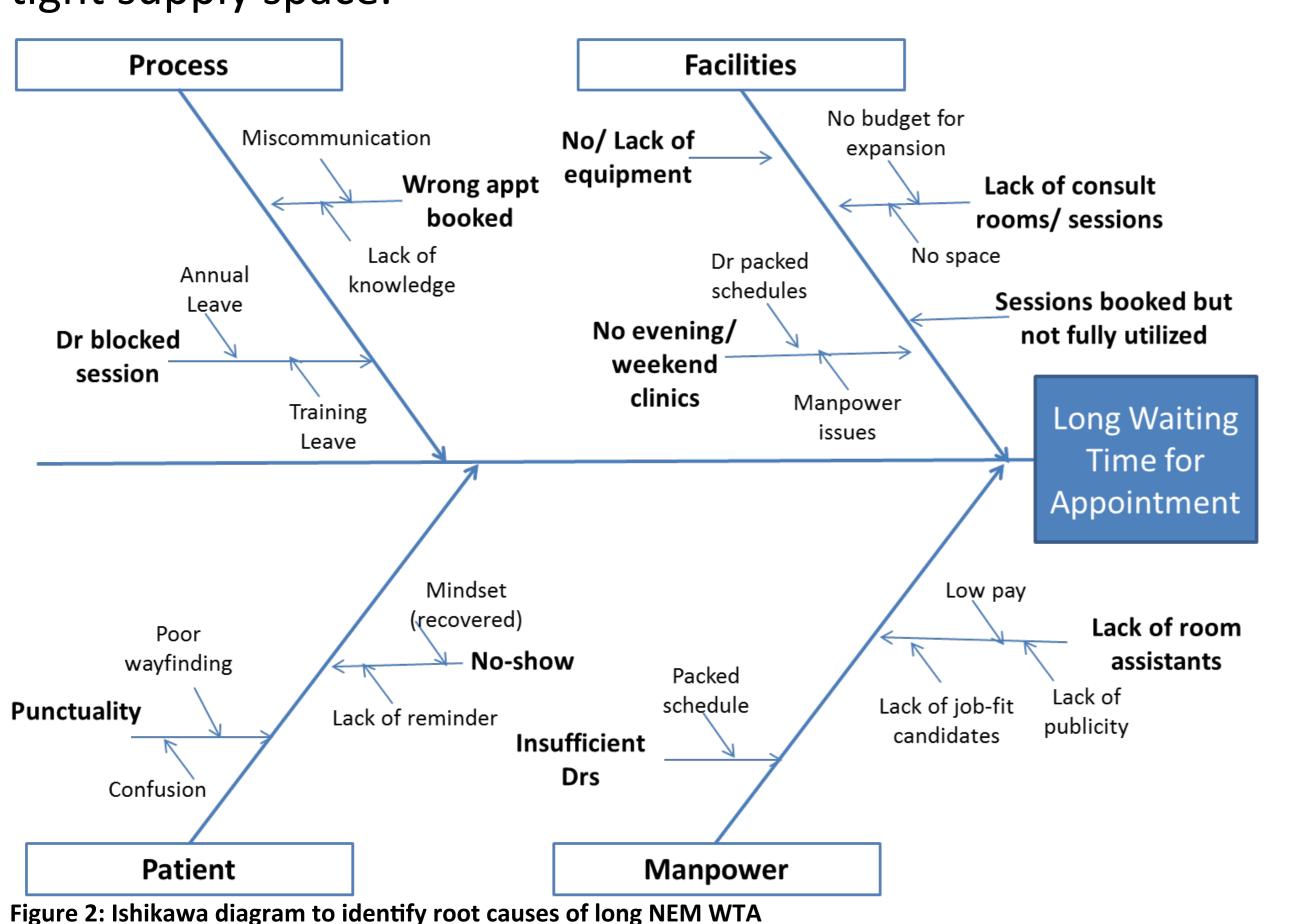
Figure 1: NEM WTA from 2013 - 2015

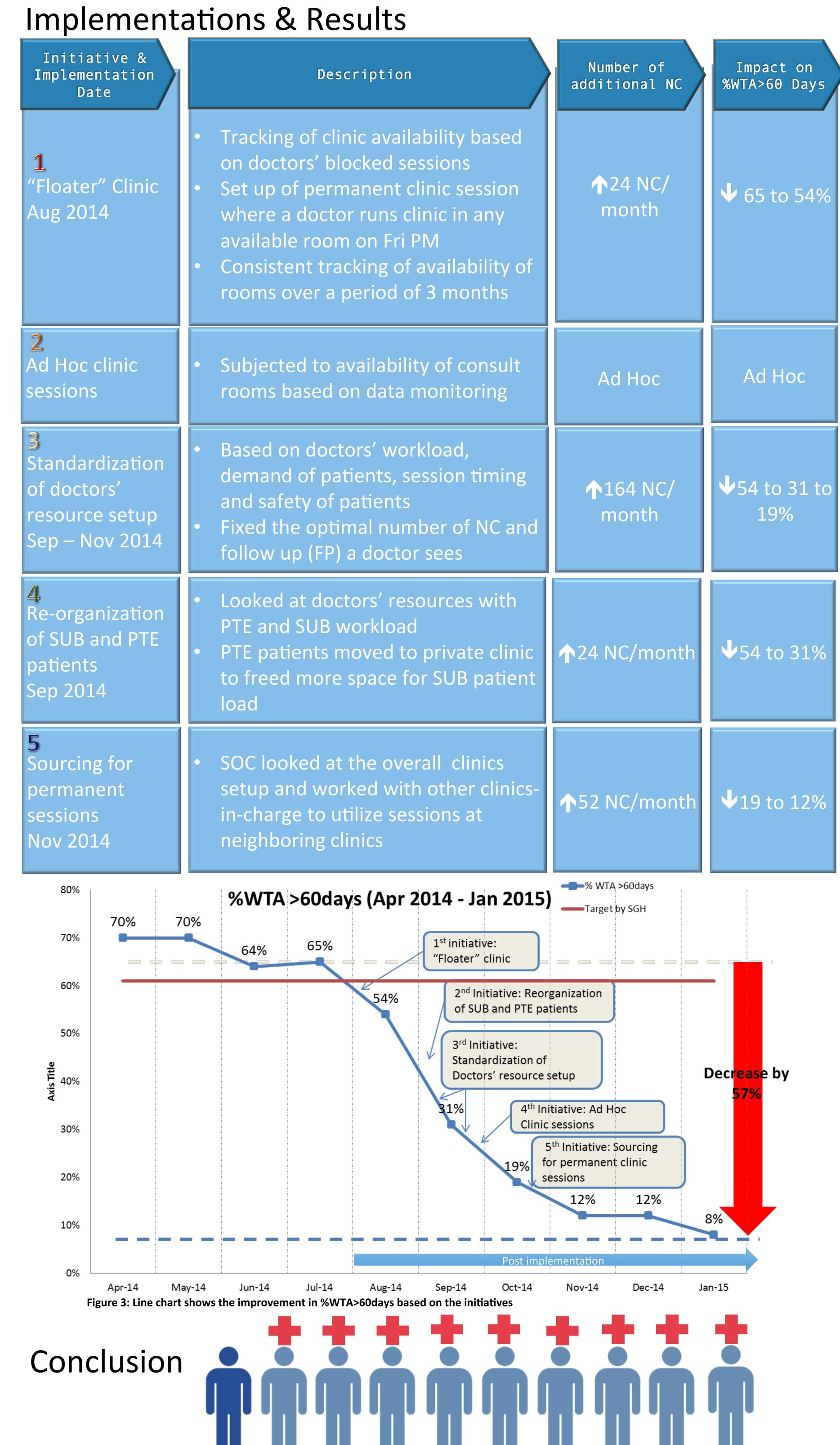
50%

To reduce WTA for SUB new case (NC) to 30.8% more than 60days in a month, in short %WTA>60days/month = 30.8%, the overall WTA target set by Ministry of Health (MOH) and SGH for 2014. 60 day is chosen as clinically reasonable for specialist treatment.

Methodology

An ishikawa diagram (Figure 2) was used to identify the root causes of the problem. Supply-side strategies were employed to meet the demand of more NC slots. A total of 5 initiatives were implemented in a period of 5 months from August to November 2014, focused on optimization of clinic and SOC, especially in a hospital and country that have very tight supply space.





In all, the contributions are in line with MOH and SGH requirements of 30.8%. In reality, our result had far exceeded their targets. Overall, at least 4 times more NEM SUB patients receive care within 60 days now (392 patients in Dec-14 compared to 92 in Jul-14). There has since been remarkable improvement to patient's health outcome, standard and quality of care. The combination of clinical, operational and analytical inputs of team and regular meet ups were contributors of success. Also, with space constraints in SGH and Singapore, optimization is the key to improvement.