

Project Title

OTSight: Data-Driven Workforce and Process Transformation For Operating Theatre (OT) Optimisation

Project Lead and Members

Project Lead: Dr Ng Chew Lip

Project Members: Ms Tan Seo Peng Joanna, Dr Hwang Chi Hong, Ms Christine Wu, Mr Kelvin Lew, Ms Trish Woon, Ms Lui Lok You, Ms Tammy Wong, Mr Chen Zhaoqi, Ms Geelyn Ng

Organisation(s) Involved

Ng Teng Fong General Hospital

Healthcare Family Group Involved in this Project

Healthcare Administration, Medical, Nursing, Pharmacy

Applicable Specialty or Discipline

Surgery, Anaesthesiology, Healthcare Administrators

Project Period

Start date: Jun 2022

Completed date: Dec 2022

Aims

- Designing a system to identify biggest value pools through deep analytics and data mining for intervention.
- Empower and involve staff in design and execution of intervention.
- Improve efficiency of current processes, cut wastes and further optimise OT utilisation and outcomes by 2022.

Background

See poster appended/ below

Methods

See poster appended/ below

Results

See poster appended/ below

Lessons Learnt

See poster appended/ below

Conclusion

See poster appended/ below

Additional Information

NHIP 2023 – Best Practice Medal (Automation, It & Robotics Innovation)

Project Category

Workforce Transformation

Job Redesign, Multi-disciplinary, Digital Workplace, Workforce Performance

Technology

Digital Health, Data Management, Data Analytics, Artificial Intelligence, Big Data

Organisational Leadership

Organisation Development, Culture Building

Keywords

Operating Theatre, Surgery, Data Management, EPIC, Data Visualisation, Data Mining,

Workflow Redesign, Resource Optimisation

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