

CHI Learning & Development (CHILD) System

Project Title

Improving productivity of off-road driving assessments

Project Lead and Members

Project lead: Natalie Ng

Project members: Josephine Tan, Chen Changwu

Organisation(s) Involved

Jurong Community Hospital

Healthcare Family Group Involved in this Project

Allied Health

Applicable Specialty or Discipline

Rehabilitation Therapy

Aims

By reviewing current work processes, we aim to increase productivity of driving rehabilitation therapist by 33% (i.e. increase the number of patients seen per week)

Background

See poster appended/below

Methods

See poster appended/below

Results

See poster appended/ below



CHI Learning & Development (CHILD) System

Lessons Learnt

Work processes can be reviewed to enhance productivity and patients' experience. Tapping on the use of technology (such as iPad app) can aid current work processes and enhance productivity.

Conclusion

See poster appended/below

Project Category

Care & Process Redesign, Value Based Care, Patient Reported Experience Measures, Patient Satisfaction, Productivity, Time Saving, Access to Care, Waiting Time

Keywords

Driving Assessment, Rehabilitation Therapist

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[Restricted, Non-sensitive]

IMPROVING PRODUCTIVITY OF OFF-ROAD DRIVING ASSESSMENTS

MEMBERS: NG XIANG LING NATALIE, JOSEPHINE TAN SER MIN & CHEN CHANGWU, OCCUPATIONAL THERAPY, REHABILITATION

PRODUCTIVITY SAFETY QUALITY COST **PATIENT TEAMWORK EXPERIENCE** COMMUNICATION

Define Problem, Set Aim

Problem/Opportunity for Improvement

Driving Assessment and Rehabilitation Service (DARS) at Jurong Community Hospital sees 3 patients for off-road driving assessment in a half day clinic. Each off-road driving assessment takes an hour of face to face consult with a driving rehabilitation therapist. This leads to longer lead time for patients. There had been multiple episodes of assessments lasting more than one hour, resulting in longer wait time for subsequent patients.

Aim

By reviewing current work processes, we aim to increase productivity of driving rehabilitation therapist by 33% (i.e. increase the number of patients seen per week)

Establish Measures

Primary measure

Number of patients seen in a half day clinic

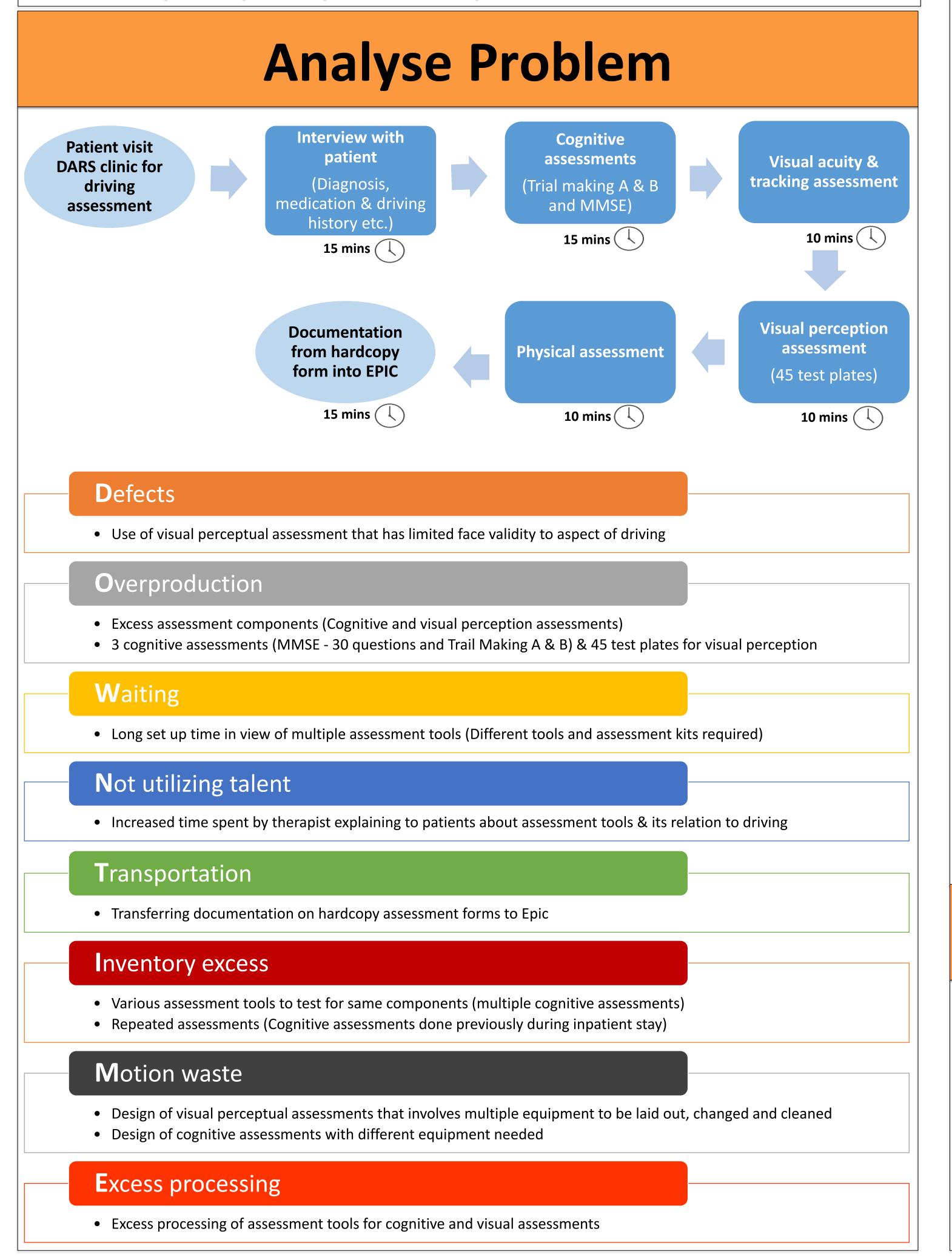


Secondary measures

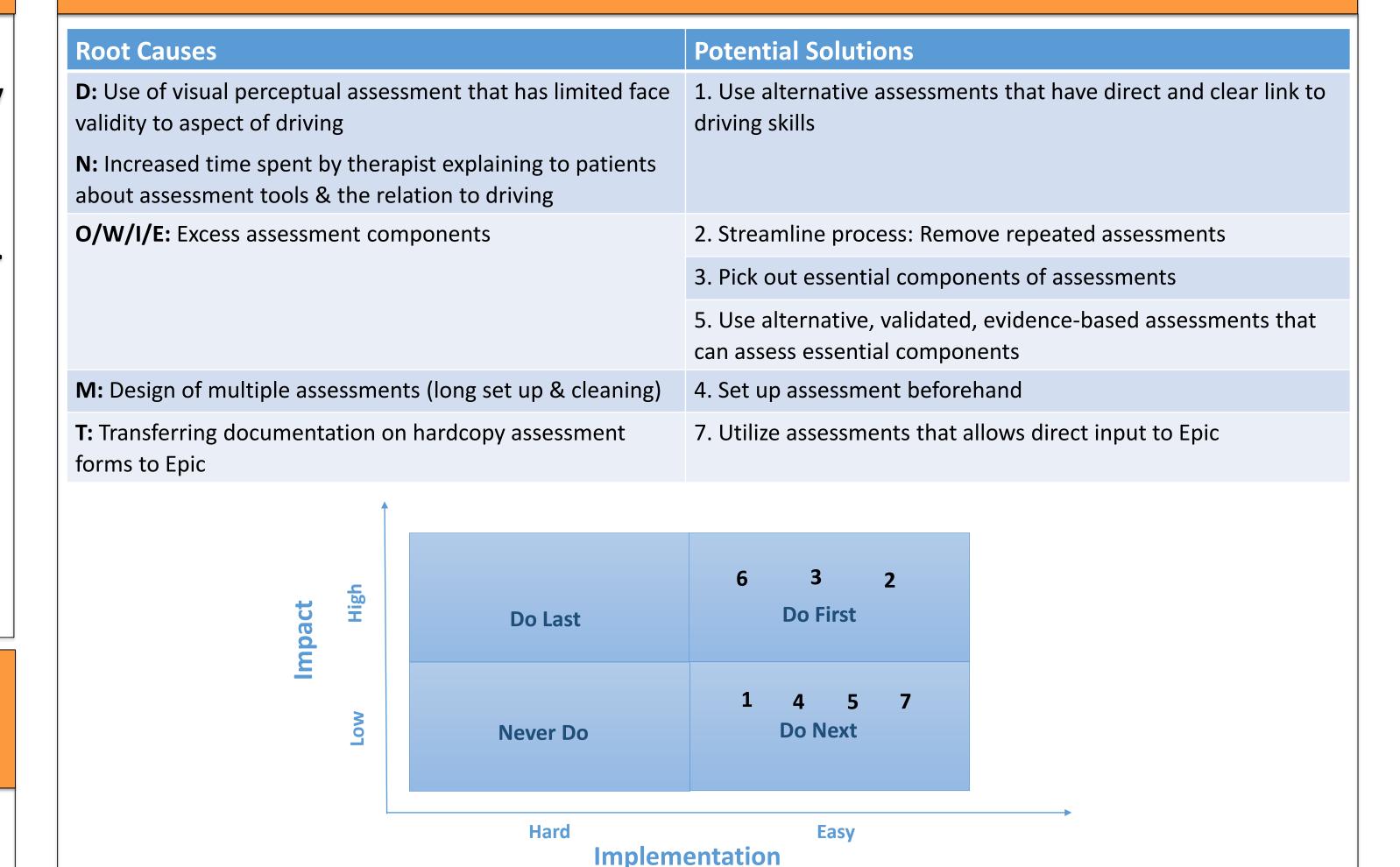
Lead time for patients

Total time spent by therapist for each patient



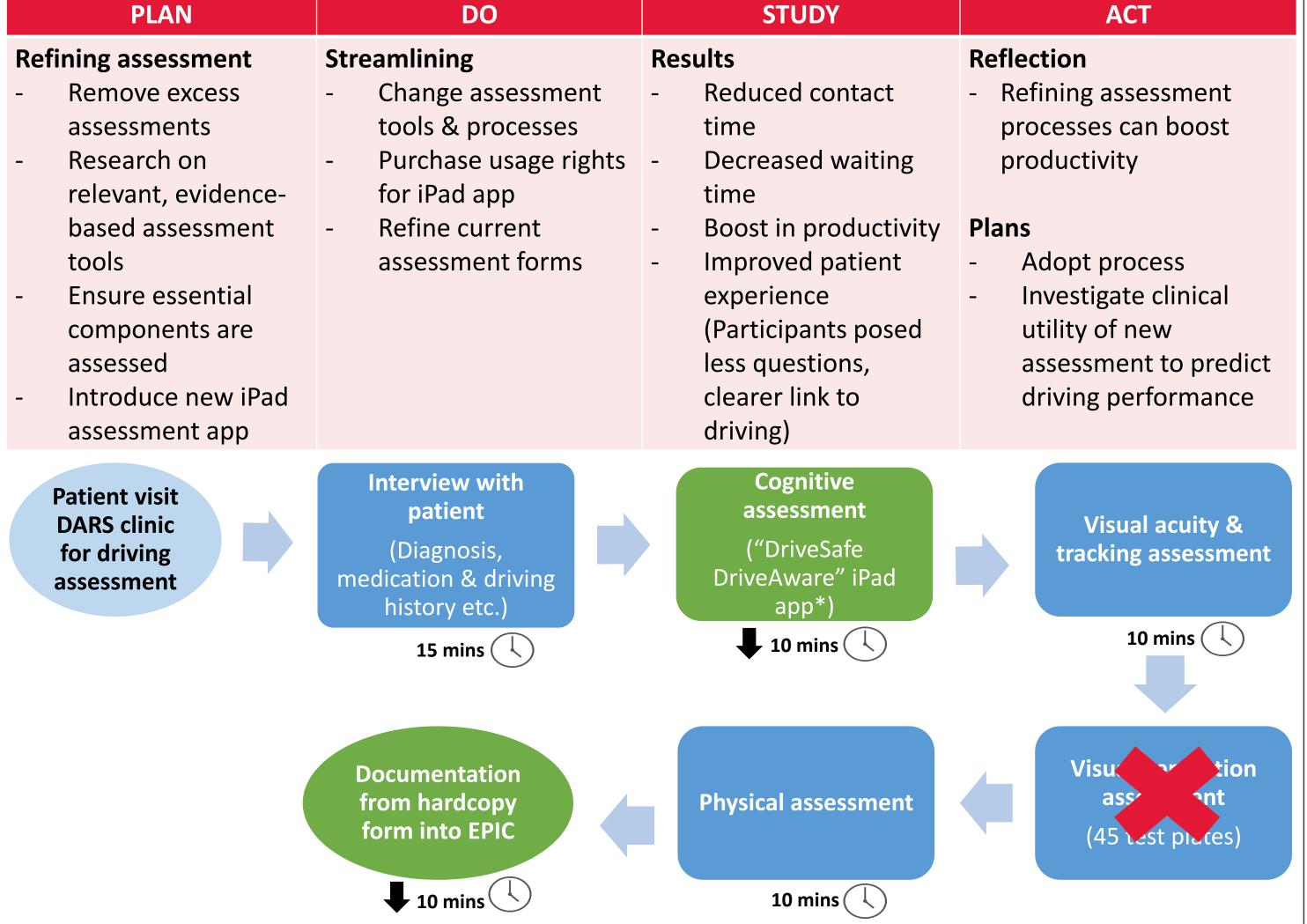


Select Changes



Solution chosen: Combination of 1,2,3,4,5,7 -> An alternative assessment that does not require much set up (iPad app) with obvious links to driving skills and direct input to EPIC. This decreases set up time, time taken to explain to patient about the assessment and documentation time.

Test & Implement Changes



Primary outcome

Increased productivity by 33% (Increased number of patients seen from 3 patients to 4 patients per week) **^ ^ ^ ^ ^ ^ ^**

Secondary outcome

Lead time reduced from 3 weeks to 2 weeks Reduced total time spent for each patient from 75 mins to 55 mins



Spread Changes, Learning Points

Work processes can be reviewed to enhance productivity and patients' experience

Tapping on the use of technology (such as iPad app) can aid current work processes and enhance productivity

The next step: To continue to monitor the effectiveness of new assessment process in making the clinical judgement about functional fitness to drive

* "DriveSafe DriveAware" is a validated cognitive assessment tool (iPad app)



