

TRANSFORMING HINDRANCES TO OPPORTUNITIES & RESOURCES (THOR)

National Healthcare Group

Dr DON, PEK CHERN KUOK Department of Ophthalmology

Adding years of healthy life

Cause No feedback to HOD regarding behaviour of individual

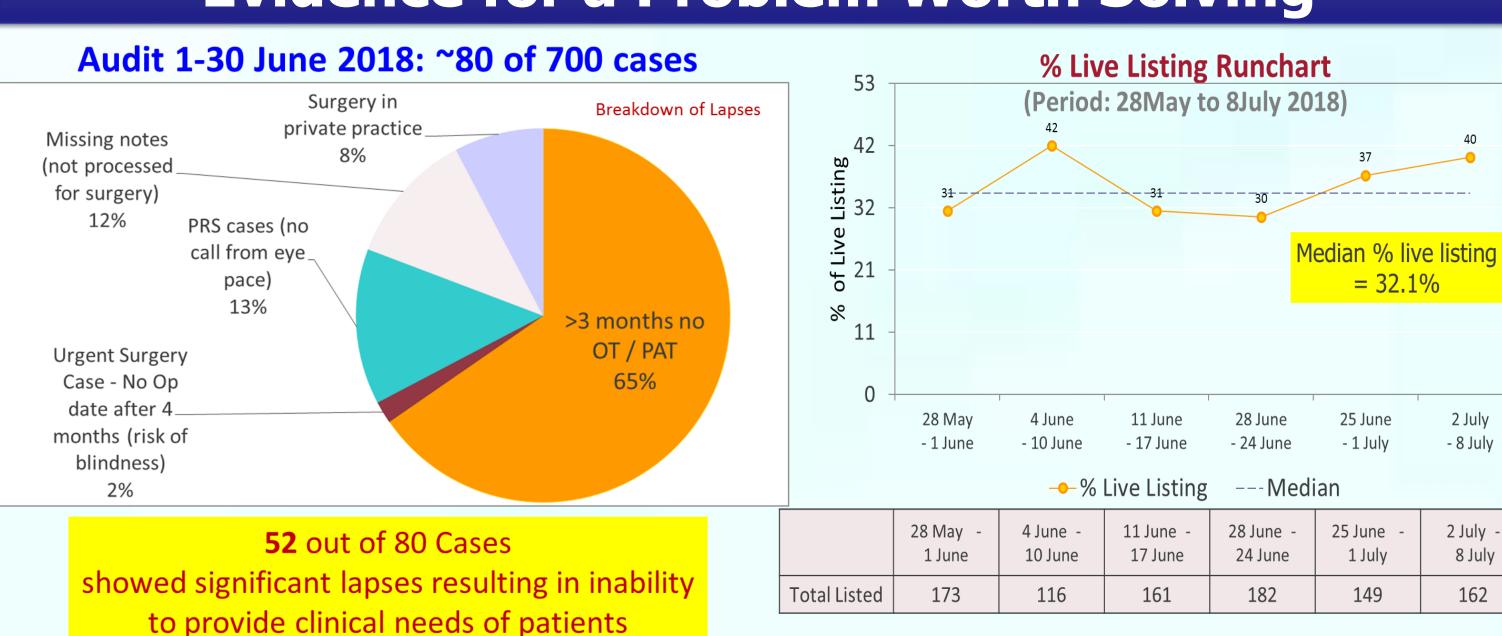
Mission Statement

Improving the percentage of live listed patients at TTSH DSOT and NHG

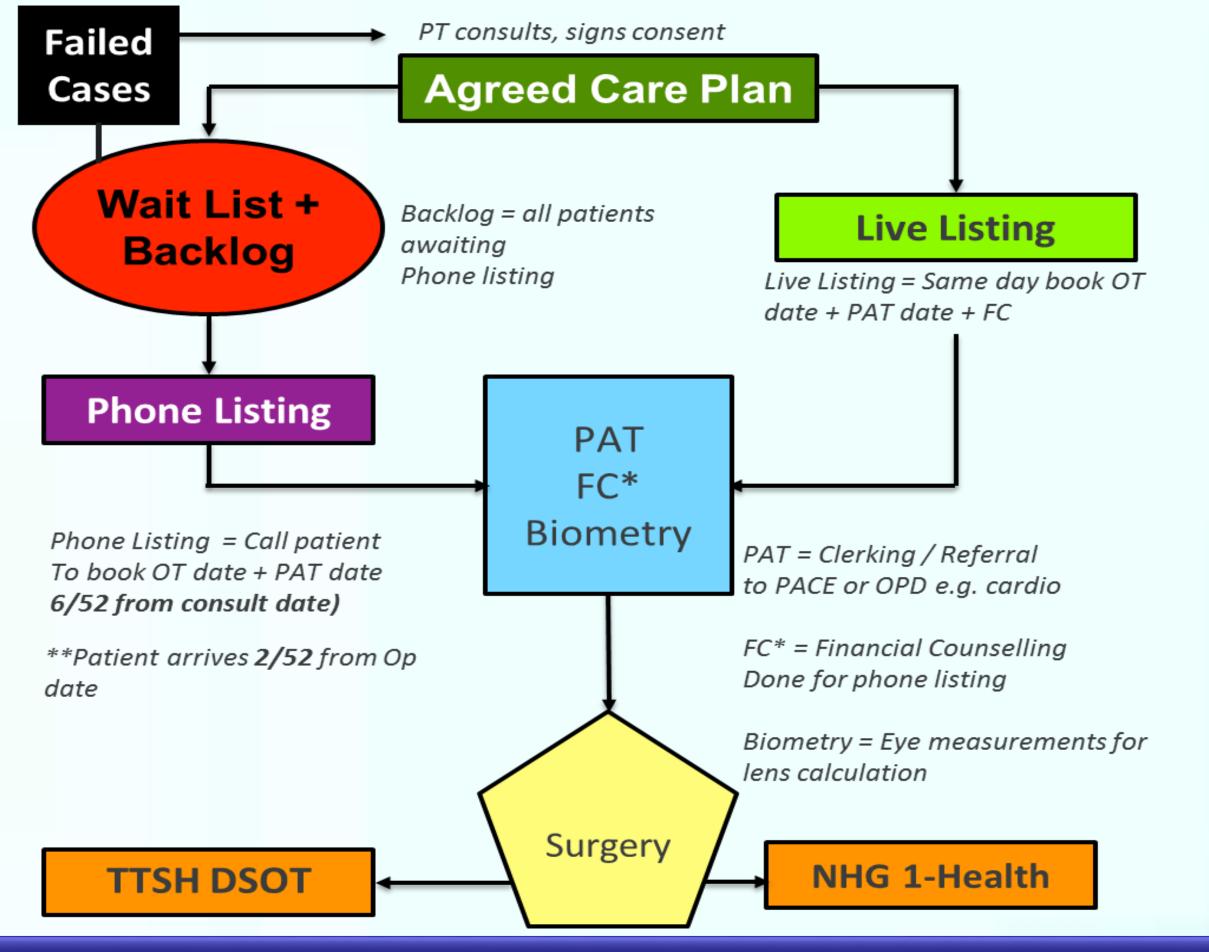
- 1-Health from 32% to 100% in 6 months
- 1. Live Listed Patients: Patient confirms op date on same day after seeing doctor
- 2. Inclusion Criteria: TTSH subsidised cataract patients
- 3. Exclusion Criteria: Non-cataract surgeries
- 4. Secondary Outcome measures
 - OT utilisation% at TTSH DSI and NHG 1H
- Number of failed cases

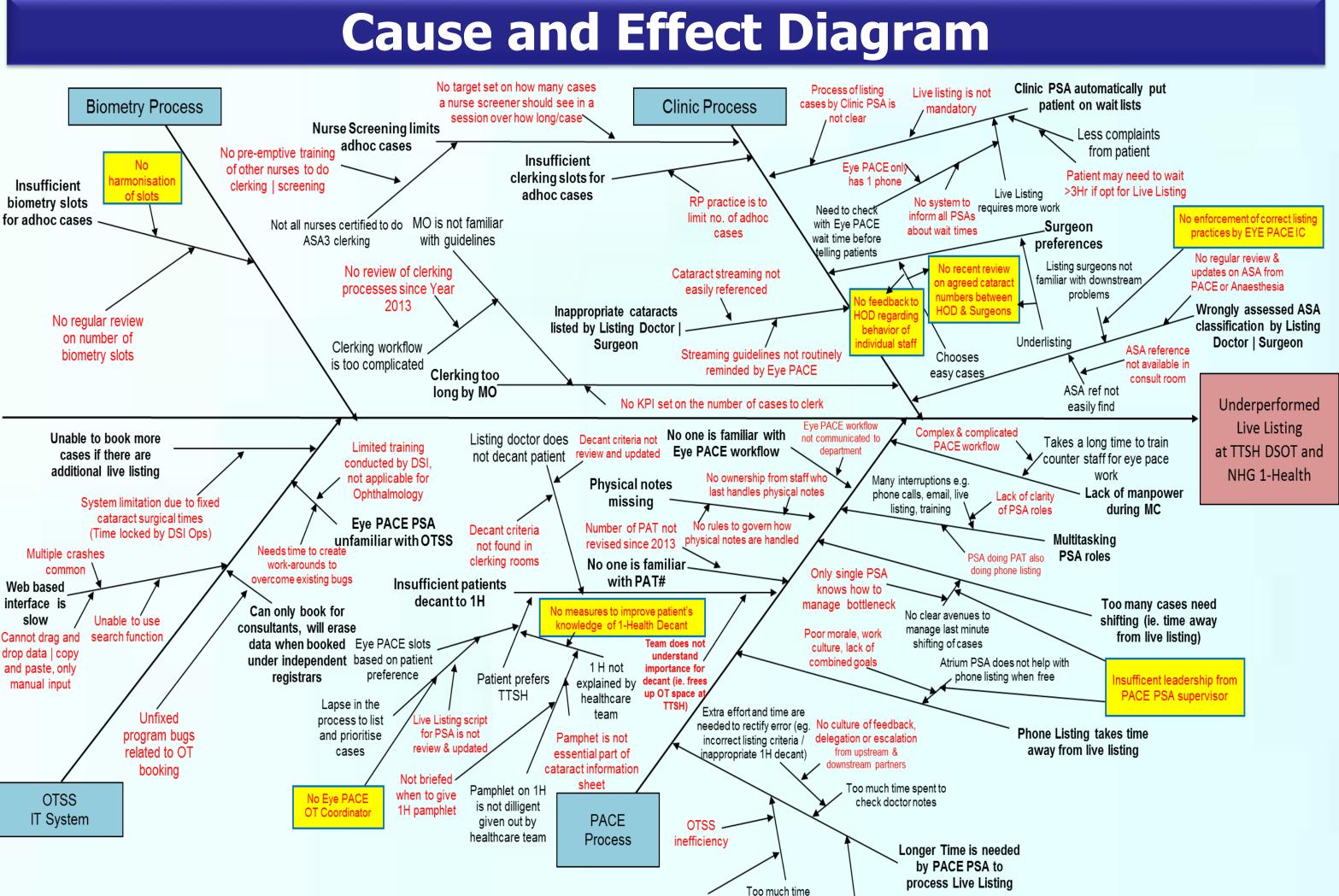
Team Members Designation Role Name Dr Don Pek Chern Kuok TTSH Eye Consultant, CIC Eye Pace Leader Director NHG 1-Health, Eye TTSH Anaesthesia Consultant Team Dr Wong Wan Yi Members Dr Jacob Chin Yu Hang TTSH Eye Associate Consultant (EMR) Dr Kwok Jian Wah TTSH Eye Pace Resident Physician Ms Pauline Gan Seok Choon TTSH Eye Admin Director Ms Alicia Chang Sook Ping **TTSH OTS Nursing Manager** Mr Ryan Tay Hsiung Jren TTSH Senior Optometrist (Roster) Ms Angela Ang Bee Peng TTSH Eye PSA Executive (Roster) Ms Chua Ming Shan TTSH Eye PSA Supervisor Ms Ruby Cheong Sok Yee TTSH Eye Pace Nurse Screening Mr Darius Seow Zhi Wei TTSH Eye Clinic + Pace Phone Listing Patients and NOK **Through Patient Surveys** A/Prof Vernon Yong Sponsor TTSH Eye HOD Adj A/Prof Tai Hwei Yee Group Chief Quality Officer, NHG Mentor

Evidence for a Problem Worth Solving



Flow Chart of Process





taken to find available OT slot

vailable but no PAT date prior)

PACE PSA

No EYE PACE OT Coordinator Cause No recent review on agreed cataract numbers between HOD and surgeons No harmonization of PAT | biometry | FC | clerking | Listing slots No measures to improve patient's knowledge of 1-Health 10 Decant 60 Cause Insufficient leadership from PACE nursing supervisor 50 40 Cause Feedback to HOD regarding surgeon preferences 30 Cause No enforcement of correct listing practices by EYE PACE Cause Insufficient leadership from PACE PSA supervisor Cause Cause Cause Cause Cause Cause Cause

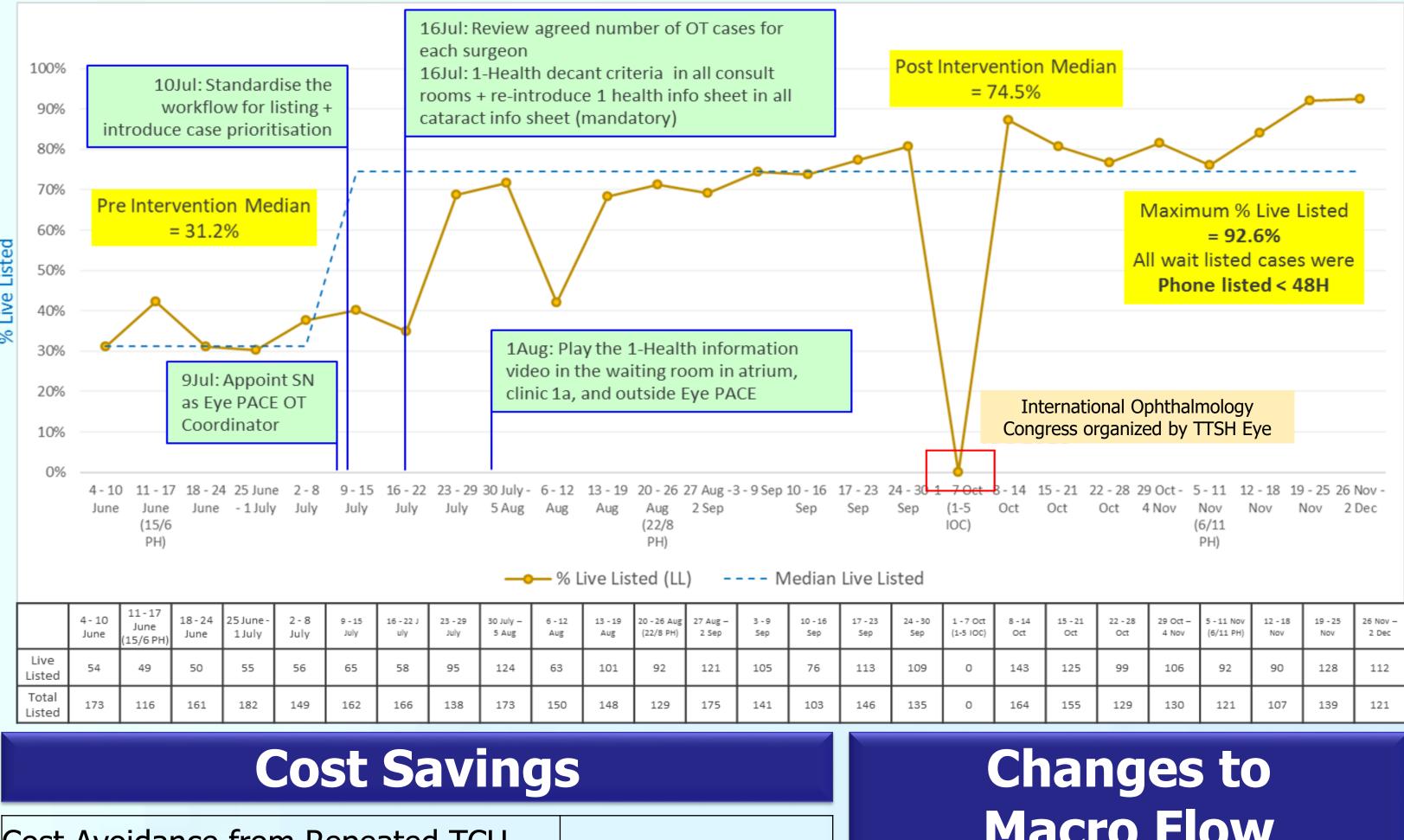
staff

Pareto Chart

Implementation											
Root cause	Intervention	Date									
15) No EYE PACE OT Coordinator	 Appoint SN as Eye PACE OT Coordinator Define job responsibility + scope Training period (with Sup PSA) + EMR, OTSS access Document of official appointment Training in Listing, OTSS, Lens order, shift OT cases Authorization from DSI to shift cases (OTSS) + advise PACE 	9 Jul 9-20 Jul 9 Sep 19 Sep 24 Sep 24 Sep									
9) No recent review on agreed cataract numbers between HOD and surgeons	Review agreed number of cases each surgeon can operate on	16 Jul 18									
3) No harmonization of PAT biometry FC clerking listing slots	 Standardize the workflow for listing + introduce case prioritization Write up SOP on approval of HOD Department wide training 	10 Jul 1 Aug 17 Nov									
	 Calculation of projected slots needed for 2019 Meeting with stakeholders Harmonize the slots for clerking, biometry. PAT, FC, clerking, biometry 	9 Jul 18 10 Jul 18 16 Jul 18									
7) No measures to improve patient's knowledge of 1-Health Decant	 All consult rooms have 1-Health decant criteria + re-introduce 1 health info sheet in all cataract info sheet (mandatory) Play the 1-Health information video in the waiting room in atrium, clinic 1a, and outside Eye PACE 	16 July 1 Aug 18									

Results

% Live Listed Runchart



Live Listed 54	49	50	55	56	65	58	95	124	63	101	92	121	105	76	113	109	0	143	125	99	106	92	90	128	112	
Total Listed 173	116	161	182	149	162	166	138	173	150	148	129	175	141	103	146	135	0	164	155	129	130	121	107	139	121	
Cost Savings											Changes to															
Cost Avoidance from Repeated TCU (Annualized)										-\$61,200.00						Macro Flow PT consults, signs consent										
Cost Avoidance from Repeated Tests (Annualized)										- 9	\$6,9	969	.60		Agreed Care Plan Live Listing											
Cost Avoidance from PRS Cases (Annualized)										-\$44,730.00						8 weeks before surgery Biometry > Time for lens order > Time for systemic is										
	Cost Avoidance from Hiring New PSA (Annualized)										-\$70,000.00															
Cost Avoidance from 68% to 5% Phone Listing (Annualized)										- \$	84,	.787	7.20)												
Annualized Cost Avoidance									_	\$2	<u> </u>	<mark>,68</mark>	86.8	<u>80</u>		TTSH DSOT NHG 1-Health										

Lessons Learnt

- CPIP is elegant tool to identify the crux to a complex process
- Given enough manpower, money and time, only the symptom of an underlying problem can be solved, not the problem itself.
- Changing upstream processes have big impact on downstream systems

Strategies to Sustain

- Monitor efficiency of EYE PACE using statistics e.g. #backlog, #free slots,
 OT% utilization, # failed cases
- Compliance = SOP for reference for complex process + teaching
- Create group goals + healthy work culture
- "The goal of EYE PACE is to restore vision"