



Injecting Avastin in the right spot

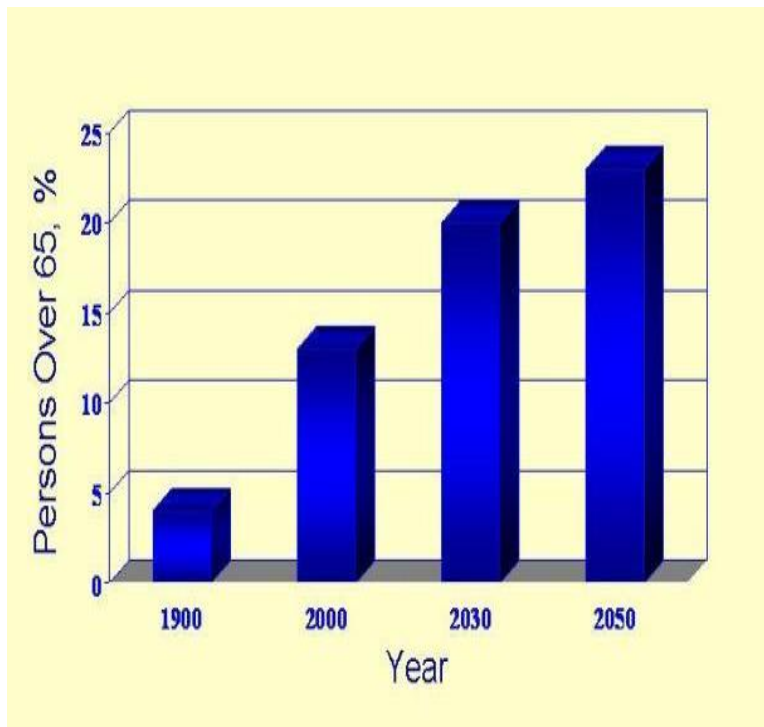
**Christchurch Hospital
Canterbury District Health Board**

**HRT 1516 Surgical Journey Improvement Group
8 - 9 October
Melbourne**



Key Problem

Age Related Macular Degeneration is the leading cause of blindness for people over 50 – there is no cure but the rate of vision loss can be slowed

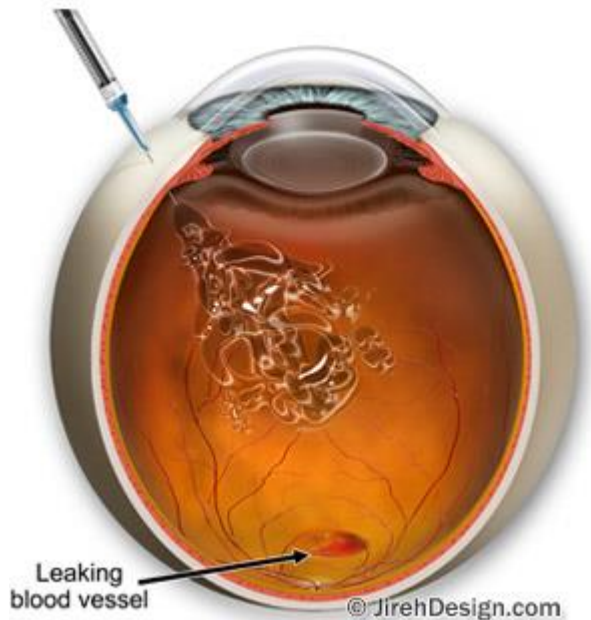


A 2007 analysis of AMD in Australia predicted that the disease costs \$2.6 billion per year. This was projected to grow to \$6.5 billion by 2025, a total cost of \$59 billion over the next 20 years. A treatment that reduced the progression by only 10% would save Australia \$5.7 billion over that same period of time.

Taylor H, Guymer R, Keeffe J. The Impact of Age-Related Macular Degeneration. In: Limited AEP, editor. Melbourne: University of Melbourne; 2006. p. 1-72.

Aim of this innovation

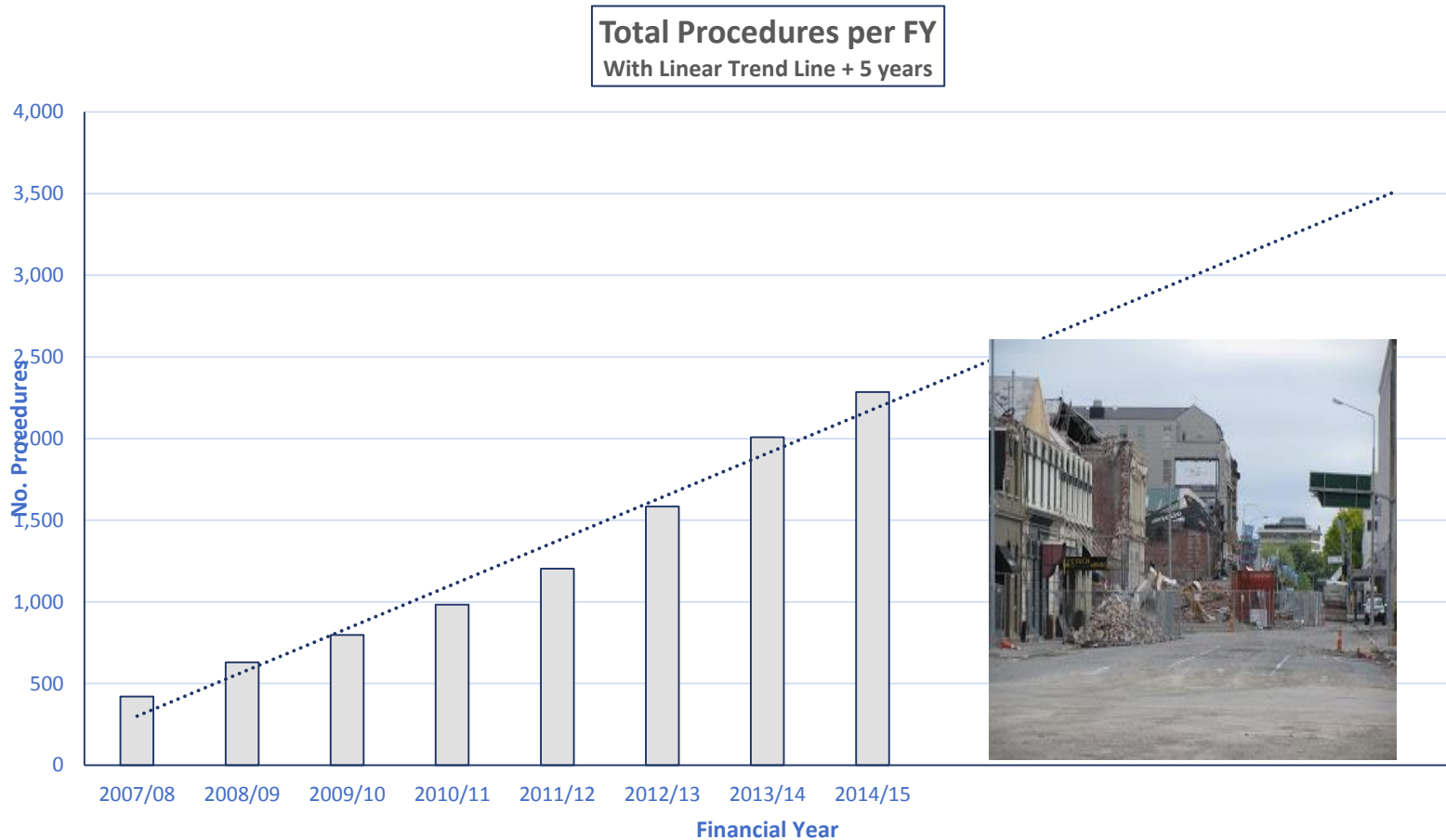
- Prior to 2012 Avastin (*Bevacizumab*) was mainly injected in main operating theatres at Christchurch Hospital, patients waited 4 hours for a 15 minute procedure and it cost a lot



- We needed to find a way to keep up with demand and not break the bank
- We needed to stop wasting patient time
- We needed to gather data to drive further innovation and encourage participation

Baseline Data

- Injection numbers doubled from 2008 to 2011
- Avastin injections in theatre cost \$1397 per patient cf. \$276 in outpatients

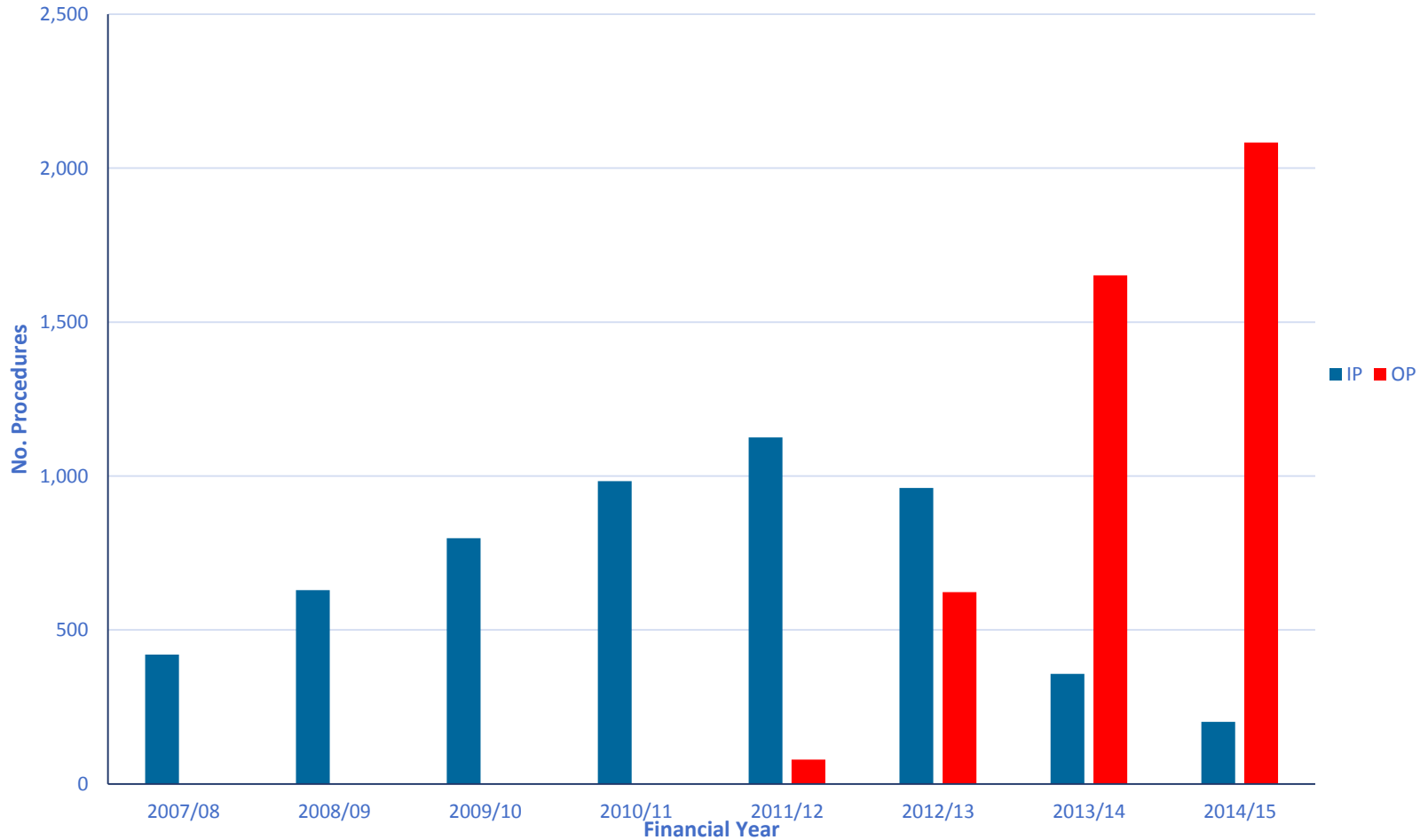


Key Changes Implemented

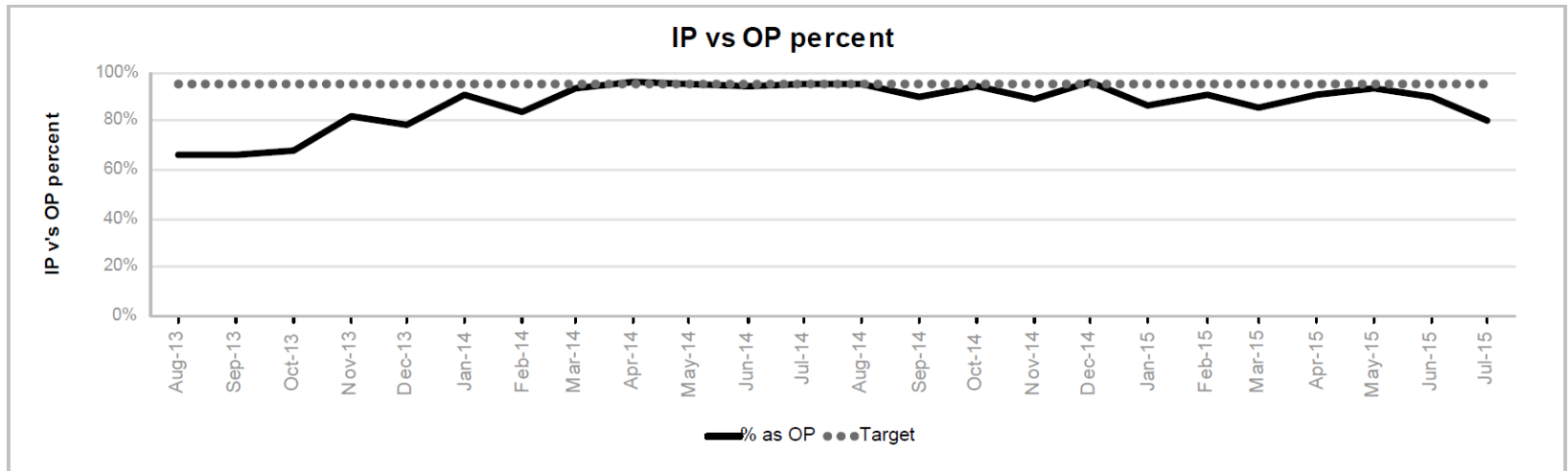
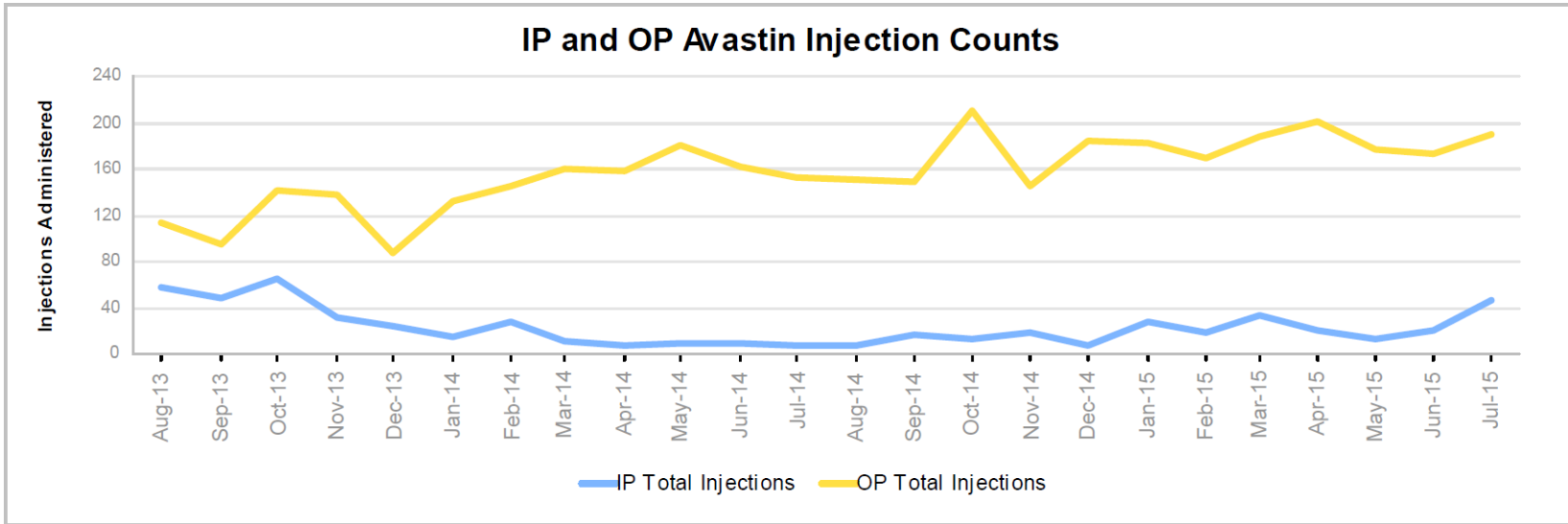
- Waiting time for patients reduced from 4 hours to 15 minutes
- Cost reduced from \$1400 to \$400 (approximately)
- Dedicated “injection service”
- Avastin specific documentation (impossible to separate treatment plan and consent form)
- Clear and complete specification of treatment plan
- Clear and complete record of treatment delivery
- Developed suite of process-based KPIs
- Exit survey & qualitative analysis

Outcomes so far

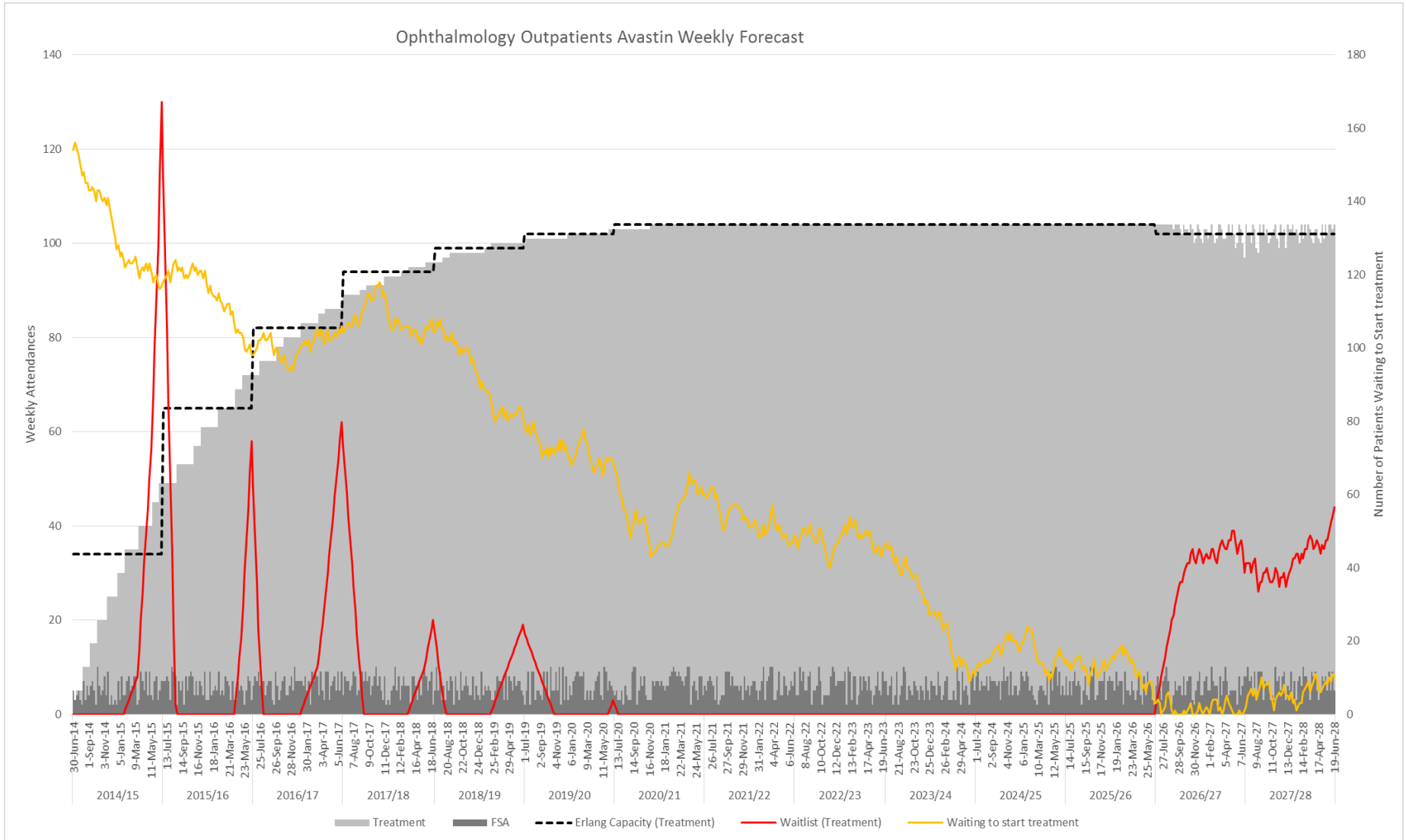
Total Procedures - IP vs OP



Outcomes so far



What does the future hold?



Lessons Learnt

- You can keep theatre costs down if you don't do things in theatre that don't have to be done there
- Data is needed to get buy in and encourage persistence
- Change champions need to be empowered

Project Team.

Tina Wright

– Quality Facilitator

Geoff Duff

– SMO and Project sponsor

Leanne O'Sullivan

– Medical Practitioner

Paula Couprie

– Nurse

Myah Guy-oakes

– Booking-Clerk

Andrew Wells

– BDU Planner

Steve Jones

– BDU Planner

For more information Contact: Robin Rutter-Baumann
Tel: +64 27 886 0008

