Teamwork: How and why digital health is changing healthcare

RACP Congress

Australasian Faculty of Occupational and Environmental Medicine

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What we'll cover

- Introductions
- Reflections on where we are
- Why digital transformation
- Value-based care: a quick tour
- Value-based care and 'digital' teams
- What can you do tomorrow?
- Key messages





Why digital transformation in health?

Healthcare resists change!



Consumerism / Value



Technology (mobility, computing power, cloud, apps, social media etc)

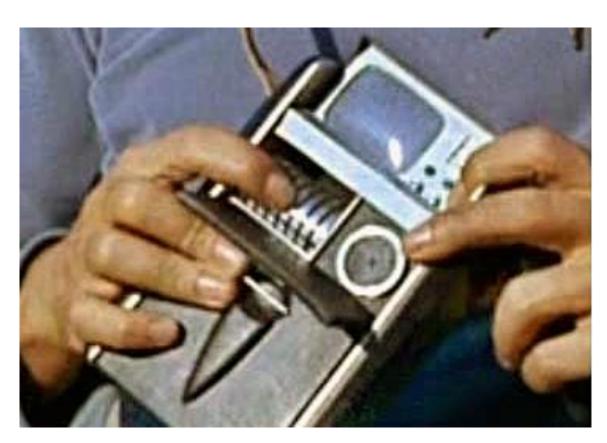


Chronic disease, ageing, workforce, costs



THE PATIENT ILL SEE The Future of Medicine Is in Your Hands Author of The Creative Destruction of Medicine READ BY ERIC MICHAEL SUMMERER

Looking back... (and now)





Source: Star Trek (Original series)



Digital health playbook



Appetite for risk



Digital first / digital by default



Design thinking



Consumer at the centre (Change how you work)



Test and adjust



TEAM-BASED

VALUE = Outcomes / Cost





Value building blocks



Integrated Practice Units (IPU)



Measure outcomes and costs



Bundled pricing



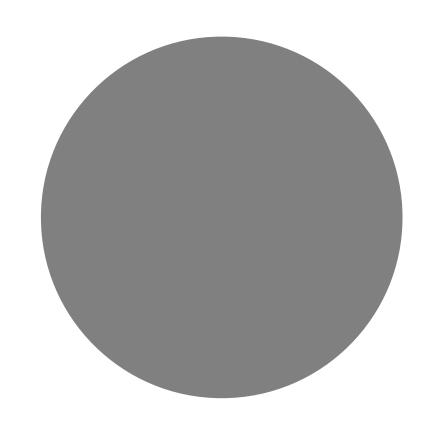
Systems Integration



Digital enablers

Digitally-enabled team based care

MDTs

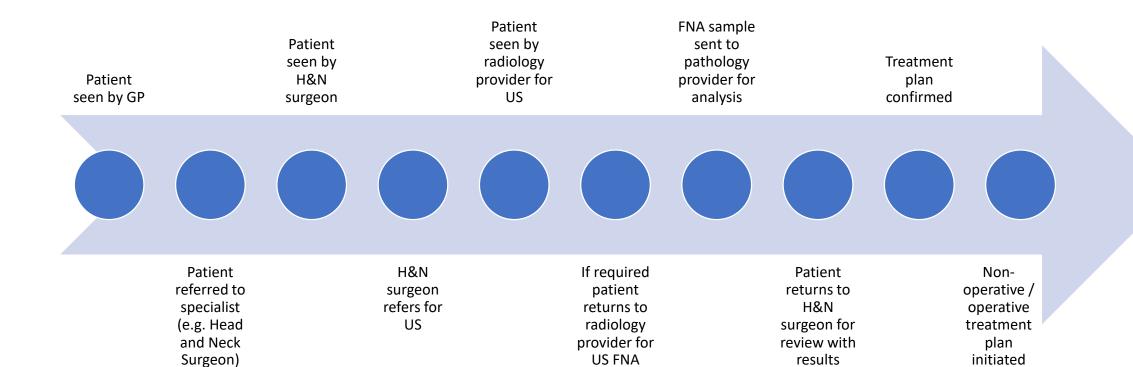




New Model of care (team-based care)

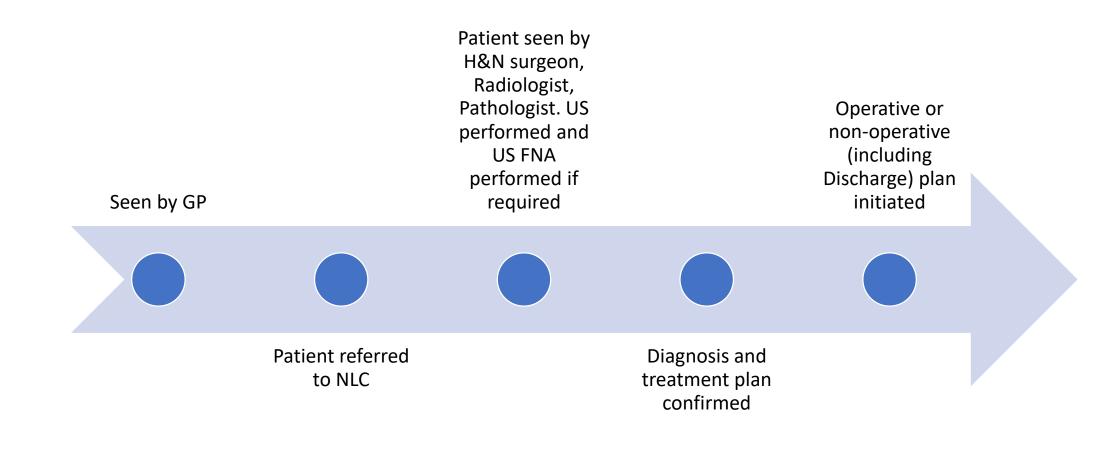
Digital tools to enhance work flows

No rocket science here



8-12 weeks elapsed time: 'Consumer-centric'?

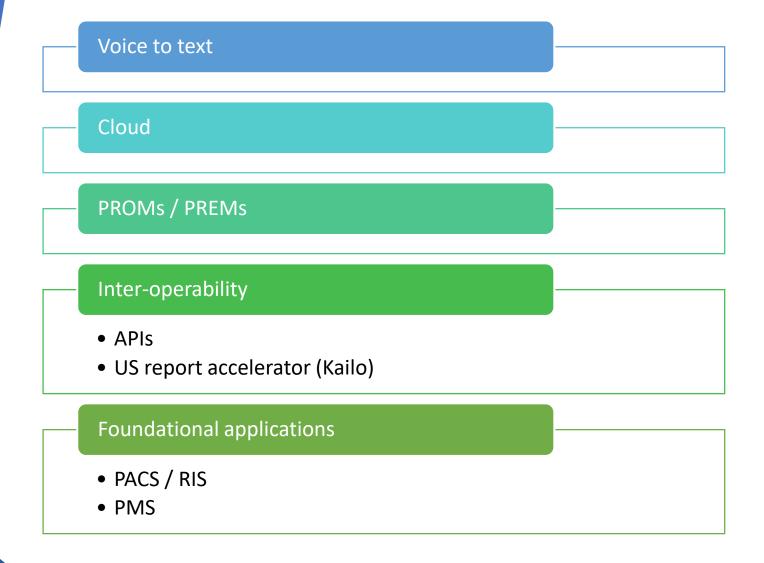




45 minutes



Digital enablers for the NLC



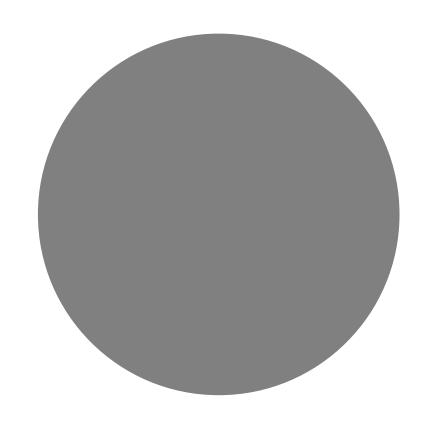


Neck Lump Clinic – impact to date

- >2000 patients seen
- 50% discharged after 1 appointment
- 15% cancer cases
- <1% non-diagnostic FNA rate
- High patient satisfaction
- Removed cost of repeat scan or biopsy / follow-up consultation
- AP funded by Southern Cross Insurance (reduced cost / premium service)
- Clinician satisfaction in model very high
- Strong MDM

Teams operating at top of scope

GPs / Community-based doctors





A STREAMLINED PATIENT JOURNEY

PREVIOUS PATHWAY:

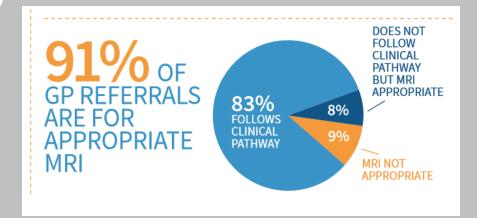


NEW PATHWAY:



Hi-tech imaging – impact to date

- 30 years of wait removed from the system
- Reduction in spend on earnings related compensation
- Pathway optimisation (surgical vs nonsurgical)





Digital enablers for Hi-tech imaging

Inter-operability

APIs

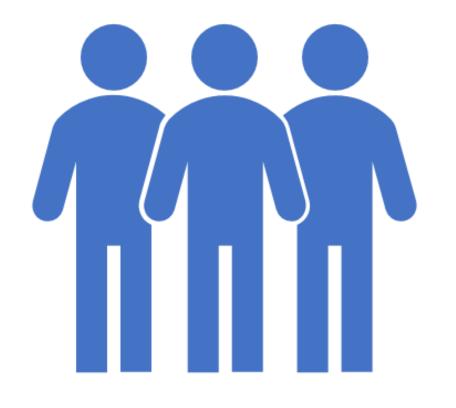
E-referral



Clinical decision support

Tailored guidelines

Pathway thresholds / triggers



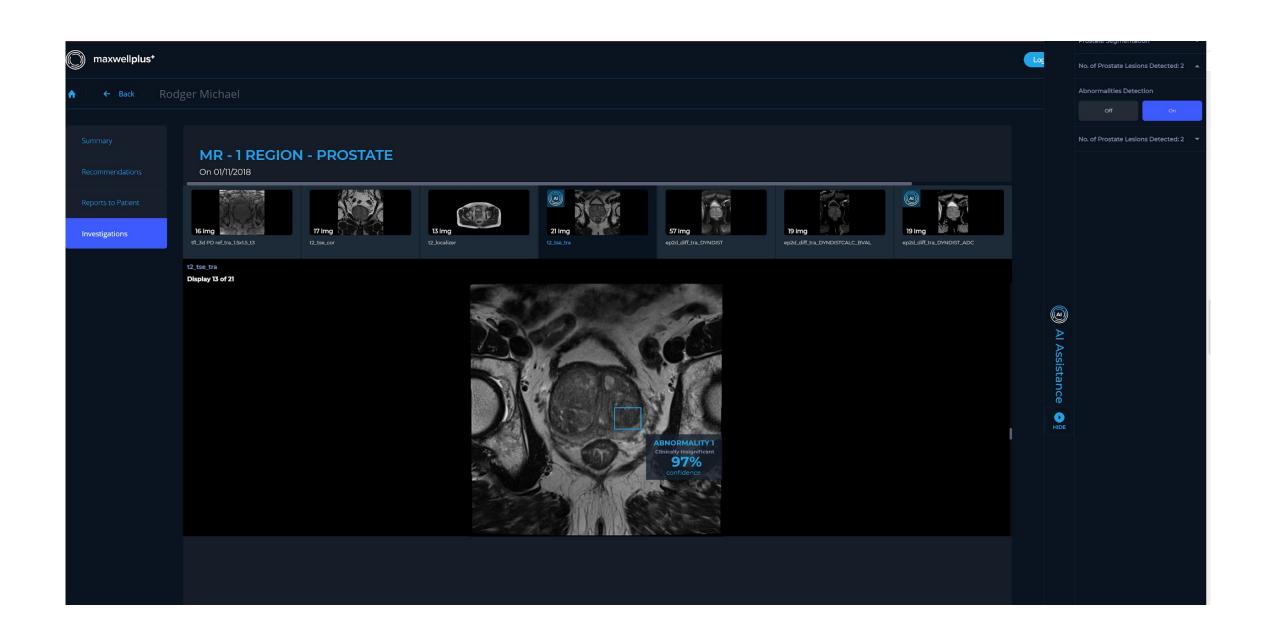
'Augmented' specialised teams

Theranostics

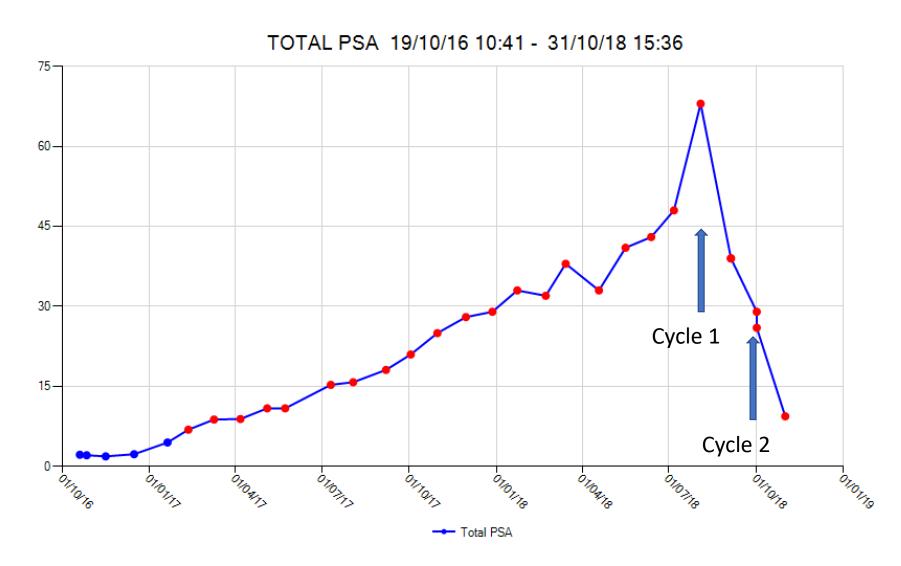
Theranostics

- Team = Patient, Nuc Med Tech, Radiologist and Algorithm
- Novel / emerging treatment for men with advanced prostate cancer
- Targetted / personalised therapy
 - Lu-177
 - PSMA
 - Cancer cells identified through PSMA expression and targeted by Lu-177
- PROMs to monitor impact / quality of life

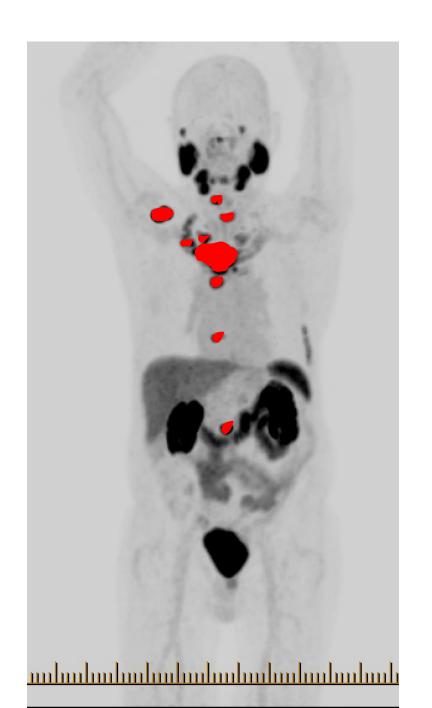




PSA level tracking









The Download

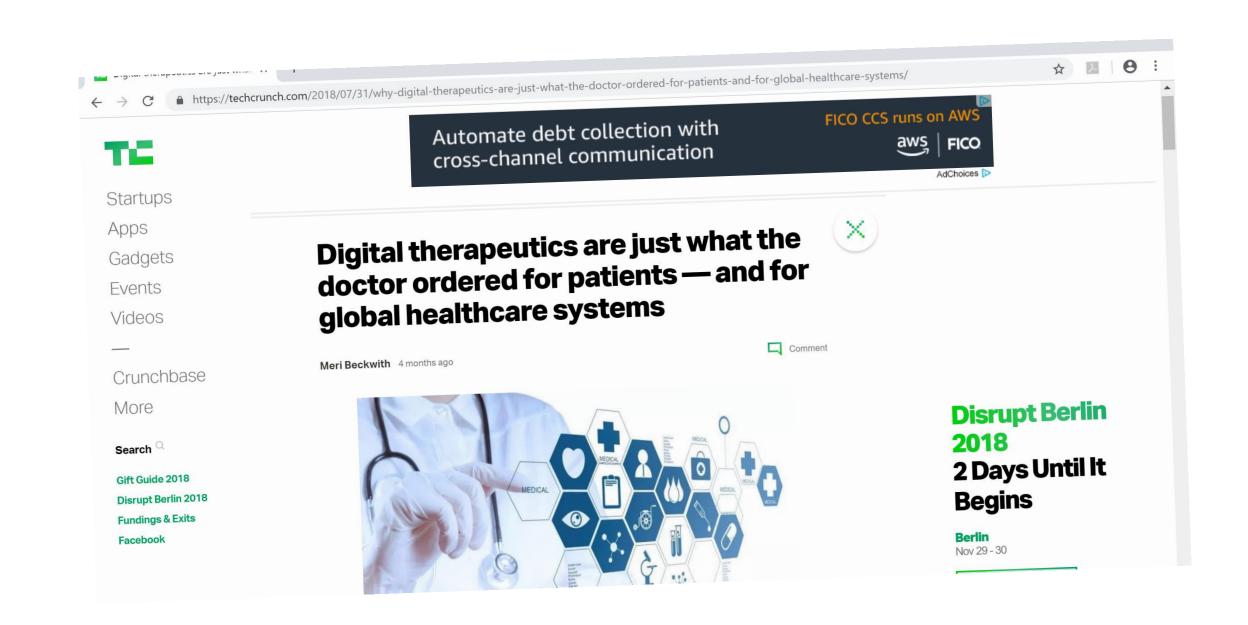
What's up in emerging technology

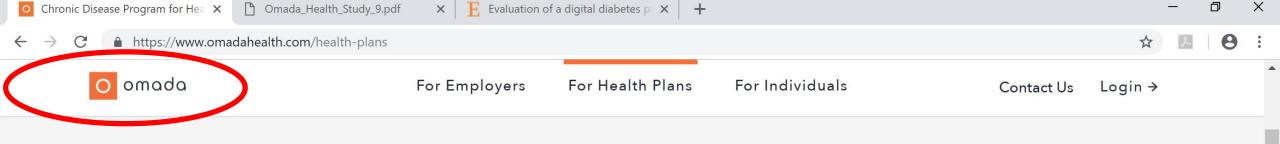


FDA approves Al-powered diagnostic that doesn't need a doctor's help



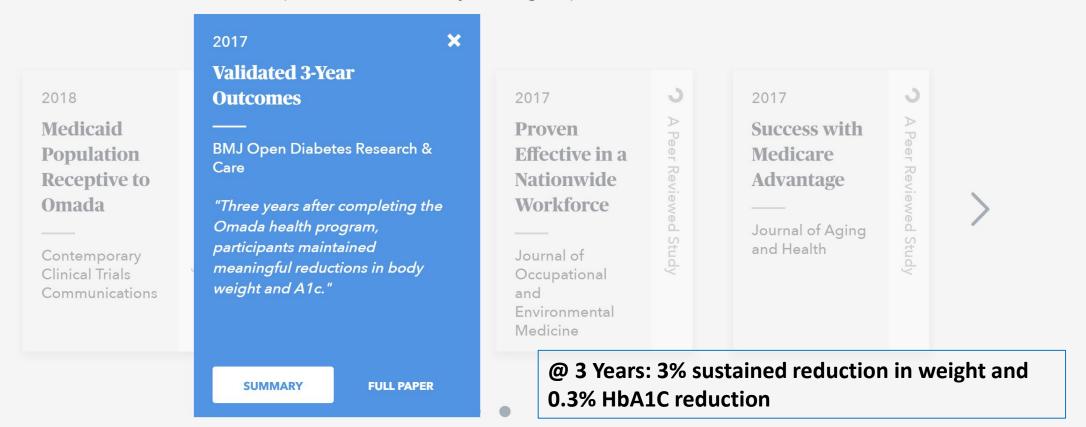
Virtual teams and virtual delivery





Clinical outcomes you can trust

As the largest digital CDC-recognized Diabetes Prevention Provider in the U.S., we've published an industry-leading 11 peer-reviewed studies.





Robots / Robotics

New teams



What can you do tomorrow?



Virtual consults



Voice to text



RPA



Expand your thinking (teams are changing)



Explore digital













Value-based care

Design thinking

Appetite for risk

Team-based care

Cultural transformation

Do things differently

Key messages





